

1180

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gaaaatagtg tttttagtgc caacaactca agacgaagct tatttctgag gataagctct 1980
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<210> 1895

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (521)

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<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 1895

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caattgatat taaatgtagt gttctcaatt ctgaggrgat tcattatgtc attaaacagy 420
tttccaagga wtcccttcaa tctgtgggtg tccccccgag gaagttagta ggttttaggt 480
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aacaattttt 550

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<210> 1896

1181

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1896

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ctaaagtttt attgaca 857

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<210> 1897

<211> 779

<212> DNA

<213> Homo sapiens

<400> 1897

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cgccggcgct gcagagggag gcggcactgg tctcgacgtg gggcgggccag cgatgaagcc 60
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gtaaatttaa agatgttaga agaaatgtcc aaaaagatac agaagaacta aagagctgtg 180
gtatacaaga catatttgtt ttctgcacca gaggggaact gtcaaaatat agagtcccaa 240
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caagataaag gaattcaaat agcatatata tgaccatgtc tgaaatgtca gttctctagc 660
ataatttgta ttgaaatgaa accaccagtg ttatcaactt gaatgtaaat gtacatgtgc 720
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```

<210> 1898

<211> 3310

<212> DNA

<213> Homo sapiens

<400> 1898

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cggaggaggg ctgctgtgga ggagaagcgg aggcagagac ttgaggagga caaagaacgc 60
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cgttgggtcgt ggggaggctc tctccatggg agccctagca tccacagtgc agctcgccgc 180
ctgcagctca gcccatggga gagcagcgtt gttaacagac tcctgacgcc cacacattcg 240

```

1182

```

ttcctggcca gaagtaaaag cacagctgcc ttgtctggag aagcagcatc ttgcagcccc 300
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gtaacaccac ctgagggctc ttctcgcagg aggatcattc atggcacagc gagctataaa 420
aaagaaaagag agagagaaaa tktactcttc ctcacatctg gcacccgaag ggctgtatct 480
ccatctaata ccaaagcaag acaaccagct cgctcccgac tttggcttcc gtccaagtct 540
cttcctcatt tgcttggcac acccagaccg acatcctcct tgccaccggt ctcagtcaaa 600
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gtcaaagtgg agcctgagaa gaaagatcct gagaaggaac ctcagaaagt tgccaatgag 720
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agtcattata ttagaaaaga aagctgttca acaaacttgt ttaatttggt taaatcaaca 3240
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1183

aaaaaaaaaa

3310

<210> 1899

<211> 1184

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (995)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1041)

<223> n equals a,t,g, or c

<400> 1899

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gttggagggg  agtgacaggc  agcagagggc  aaataaaaata  cctgtgaatc  aaaccatggt  180
ttaggtacaa  cccacactga  aaatggactc  tcagagcacc  cctgtgaaac  agaacagata  240
aatgcaaaga  gaaaagatac  aaccagtgc  aaagatgatt  cgctaggaag  ccaacaaaca  300
aatgaacaat  gtgctcaaaa  ggctgagcca  acagagtcct  gcgaacaaat  tgctgtccaa  360
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ccagaggcag  agctacacaa  ccatggaatc  caaattaatt  cctgttctgt  gcgactgggtg  480
gatataaaaa  aggaaaagcc  attttctaata  tcaaaaagttg  agtgccaagc  ccaagcaaga  540
actcatcata  accaggcatc  tgacataata  gtcacagca  gtgaggactc  tgaaggatcc  600
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cgaccccgaga  ttgtaccaga  gcccatggat  ttcagaaaat  tatctacatt  cagagaaaagt  780
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cccgcagaag  cctcaagcgg  ggcactgaga  agcaagcatg  gtgagaaggc  tcctatgact  900
tctagaagta  catctacttg  gagaataccc  agcaggaaga  gacgtttcag  cagtagtgac  960
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ttaaaggata  taacataaaa  ngtgaatgta  gcttttgcag  caaataaaga  cattcacttt  1080
ttatgttata  tccttttaaaa  taaaaaatta  atttgttggg  attttagatg  atttgcattt  1140
tacattttca  attagatgag  ttgggctggt  ataaaacata  agcc  1184
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<210> 1900

<211> 3878

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2078)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1184

<222> (2079)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3847)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3869)

<223> n equals a,t,g, or c

<400> 1900

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tgacacgggc cccacaggca tcaagtatga cctggaccgg caccagtaca actacgtgga 60
cgctgtgtgc tatgagaacc gactgcactg gtttgccaag tacttcccct acctggtgct 120
tctgcacaag ctcattcttc tggcctgcag caacttctgg ttcaaattcc cgcgcaccag 180
ctcgaagctg gagcactttg tgtctatcct gctgaagtgc ttcgactcgc cctggaccac 240
gagggccctg tcggagacag tggaggagga gagegacccc aagccggcct tcagcaagat 300
gaatgggtcc atggacaaaa agtcatcgac cgtcagtgag gacgtggagg ccaccgtgcc 360
catgctgcag cggaccaagt cacggatcga gcagggtatc gtggaccgct cagagacggg 420
cgtgctggac aagaaggagg gggagcaagc caaggcgctg tttgagaagg tgaagaagtt 480
ccggacccat gtggaggagg gggacattgt gtaccgcctc tacatgcggc agaccatcat 540
caaggtgatc aagttcatcc tcatcatctg ctacaccgtc tactacgtgc acaacatcaa 600
gttcgacgtg gactgcaccg tggacattga gacgctgacg ggctaccgca cctaccgctg 660
tgcccacccc ctggccacac tcttcaagat cctggcgctc ttctacatca gcctagtcat 720
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1185

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<210> 1901

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<400> 1901

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tcttgggggtg ctctccaggt ttaaattcct ggttttragg acamctstaa catct 175

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<210> 1902

<211> 1807

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1186

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1184)

<223> n equals a,t,g, or c

<400> 1902

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cgcacgaagt cggaccgtcc tgcgcgccgc ctaagtccag gcttgcccgt ctgctgccag 120
gcaacaacgc ccctagtctc tccgttcggg aagacgcgtg gccctgcctg ccaccaccg 180
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<212> DNA

<213> Homo sapiens

<400> 1903

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1187

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<210> 1904

<211> 4039

<212> DNA

<213> Homo sapiens

<400> 1904

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1188

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1189

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<210> 1905

<211> 3989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<400> 1905

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1190

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<211> 2629

<212> DNA

<213> Homo sapiens

<220>

1191

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<222> (35)

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<400> 1906

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<210> 1907

1192

<211> 1551
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (676)
 <223> n equals a,t,g, or c

<400> 1907
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 agaagggcag acccattctc aaagaccacc atgtccaagg tctgacagct cccactggc 180
 tgcccccaaca ggggcttttag gctgggtctgg gtcattggga agcgtccctc ttatcgtctg 240
 tctgtgttct cctggatttg gkatctatgt tggtagcact cctggccttt tatctaaagg 300
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 attaacagct gcctgaattg tcattttcca ttttggtttg ttagagggtgg gaggggtggg 480
 ttttgagaag gtcaaaaagca ataccagaag taaagggaaa tatcagacaa tattttatta 540
 ttttttcata gatgttctgc cacacaaaaga acttgggggtg taaggataag gcaaaagctc 600
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 aacaaaggaa ccaactttgt ttttaaccaa ctttgttttg ttacagtttt caggggagcg 1260
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 aaaggtcacc caaatccta tgatgaaatt ttaaattaat gggcaccttt caacatcatt 1440
 tgcttcctta tctacagttg attcagaaat ctgcattttt tattctttta tatgactttt 1500
 aagtaaaaga tttatatgga wttaaaaaaa aaaaaaaaaa aaaataacgt t 1551

<210> 1908
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1908
 ggcaaaactg ggggagattg ttttgctgga ggccctgggt ctggggagaag gggggctgat 60
 tcctctgaaa ttgctagaag agacacaggt gaggcctaac ttgggctttc cgctaccgtc 120
 ctgcaggcat tattgtcatg gcaactgctg gcatgttcaa tgtgcaccgt catggggcca 180
 ttaactcagc agccatcttg ttgtatgcc tgacctgctg catctctggc tacgtgtcca 240
 gccactttcta ccggcagatt ggaggcgagc gttgggtgtg ggaacatcat tctcaccacc 300
 agtctcttct ctggtgagga ctttccttcc cctgggtggg ctttctggat taggaatgaa 360
 gaacacattg tgggctgggt cacagtgggt tcacacmctgt kaatcctagc acttggggag 420
 accgaggscc gaggwttcaa tttgaggccc aaaagttttg aggacaag 468

1193

<210> 1909
<211> 1799
<212> DNA
<213> Homo sapiens

<400> 1909
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ctccacatct atgtacaatt tctaatacca tttttgctct ggtgctgatg gtttcctgat 180
atcaggtagg gtggagtaca gggatgcttc taccaggagt gtgattatac agccactgcc 240
tttattttctg gctttgcctt tgtgatattg tctatcagat gattgataaa atctatctag 300
agtaaggata taagacaaaa taaagatact gtaattaagg ggaaagggag gctagaggac 360
atggctcagt atccccaagt cttttattta ggatatgggt tcagctactt ctgacttgac 420
ttaaacagtg acaaaaataac aatggcttaa acaagatagt ttatttctct tcatgtaaaa 480
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gcacctgtta cggtttcttg aagcagttta taaaaagtaa ttaaaagtat ctgagctcaa 1680
ctgaagaaca acaaaaaaaaaa tttaatgaga aaaaaggatt aaagtaattg gaagcagtat 1740
atagaaaactg tttcattaag taataaagtt tgaaacaatg gaaaaaaaaa aaaaaaaaaa 1799

<210> 1910
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)

1194

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<400> 1910

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ggccccctcga gggatcctct agagcggccg ccgcggcatt cggggaatct gcagggcaga 120
tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaaag atgttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
tgtgtgactt ccttgagag aagattgcat ctgttttggg tatcagcacc ccaaagtacc 420
aatatgccat tgatgaatat tatcggatga agaaggagga agaagaagaa gaagaagaaa 480
acaggatgtc tgaagaagca gaaaaacaat atcaacagaa taaattgcag actgattcca 540
ttgttcagac agatcaacca gagacagtga tatccagctc atttgtgaat gtcaattttg 600
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cataaaatga aatgactatc aagcttcaaa ctcttaagtt tttttttttt aatacaaaaaa 720
ctttcacatt ctttattcag tgggacttaa tacaattatt tataatttaa attattaaag 780
tatctggaaa gggaaaatgt tttcttcatt tttaggatct atctagcaaa agccagatct 840
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ggaattgata attccatagt cttagattaa aatgaggata ttttctccta gattttctca 1080
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taataaaaag agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
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cttntct 1267

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<210> 1911

<211> 554

<212> DNA

<213> Homo sapiens

1195

<220>
 <221> misc feature
 <222> (438)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (543)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (551)
 <223> n equals a,t,g, or c

<400> 1911
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 cggcggcgggc gcccgcgggc aggaataact caagtcacct gtactggaaa tcagtttgct 120
 gaaattaatc aacgattctt gaagttgaag aaaagttgtt ctctctacag gaggttccag 180
 ccttgsaaga ggagtgtggc ccttcctgga atccctctgg acacaccctc ctagcatcct 240
 ctaggaaaga tgcggcakcs aaaggggaagc ccaagaagga gacctccaag gacaagaagg 300
 agcggaagca agccatgcag gagggccggc agcagatcac tacagtggtr ctgcccacrc 360
 tggccgtggt cgtgctcttg atcgtggtgt ttgtgtacgt ggccacgcgc cccaccatca 420
 ccgagtggag cccgcatncg gtcgcgggacc ccatcggcag ggagaggaat gctcgggagg 480
 gggacgcaaa caaaaaatgg cttttatatt cagagatgtt catgttgctg aactgttaag 540
 cangaancac nctg 554

<210> 1912
 <211> 1718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (31)
 <223> n equals a,t,g, or c

1196

<400> 1912

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gcagtaacct gaagctttca ccgtagacgt gctgtattgc ccagaagcca tctgtcsct 120
ggtcggsctc ctgcggaggc tggctgcctg ctgggagcac cagcgggctc ctgaggtcta 180
crtggccttt acygtccgca acccagagac gtgccagstg ttcaccaccg agctaggcyg 240
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gcacttggag atggcaatgc tgaacctcac actgtaggac tcacacacga ctccaacggg 360
attgtgagaa tcaagtcact ctcatgggaa gaatttttat atgggaaagc ggataaaact 420
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tctaataaga catcggctat ctaagcgtgt ggggtgcccc tttctgccag cagttctggt 540
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tcctcacaaa gccaaagcca ctgcagctgc cacatccctg ggcttacggt gcagcaggtg 720
cttttttcaa gacaggaatc aaaatgttag gaacacggca gaaaggggac acctggagac 780
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cacagcctgt gtttgtaa atagctttat tggaasaaag ccaaaaaaaa aaaaaaaaag 1680
gggggcgctc taaaagatcc tccaaggggc aagcttta 1718

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<210> 1913

<211> 1975

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 1913

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gtgggaactg ccaaaccaaa ctgcacgaca tcgacggcgt acctcacctc atcctcatcg 180
cctcccgaga catcgcggtt ggggaggagc tcctgtatga ctatggggac cgcagcaagg 240
cttccattga agcccacccg tggctgaagc attaacgggt gggccccgtg ccctccccgc 300
cccactttcc cttcttcaaa ggacaaagtg ccctcaaagg gaattgaatt ttttttttac 360
acacttaatc ttagcggatt acttcagatg tttttaaaaa gtatattaag atgccttttc 420
actgtagtat ttaaatactt gttacaggtt tccaaggtgg acttgaacag atggccttat 480

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1197

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attaccaaaa cttttatatt ctagttgttt ttgtactttt tttgcataca agccgaacgt 540
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atgaactagg aagccagggt agtctccttt ctccagtgga agagccggga ccttccccct 660
gcacccccga catccaggga cggggtgtga ggaagacgct gcctcccaat ggctggacg 720
ggatgtttcc aagctcttgt tcccctaacg tctcaacagg cgctcactga agtgatgaa 780
tattttttta aaagggtttt gcagtaagct agtcttcccc tctgctttct cgaaagctta 840
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atgtgagaca caatgtcttg attataacct tttgtggttt agctttgtat ttaayaagg 1860
aaataaactt gaaaattatt tgtcatcata aaaatgaaac aaattaaaat atttattgcc 1920
aggcaaaaaa aaaaaaaaaa aagttttggc ccatagttag tcctttacaa gtcga 1975

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<210> 1914

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<400> 1914

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ctacagcgac aacagcctgg accccgggct tttttagtaa agcaccgca aggggagtgt 120
agtgtccaga gctaatagca tcggttccac cagtgcctct tctgtcccca acacagatga 180
tgaggacagt gattaccacc aggaggccta caaggagtcc taaaagacc ggcgcgggcg 240
cgcacacact caggctgagc agaagaggag ggacgccatc aagagaggct atgatgacct 300
tcagaccatc gtccccactt gccagcagca ggacttctcc attggctccc aaaagctcag 360
caaagccatc gttctacaaa agaccattga ctacattcag tttttgcaca aggagaagaa 420
aaagcaggag gaggaggtgt cacgttacgc aaggatgtac cgncctaaag atcatgaaag 480
tgaactatga rcagattgtg aaggcaca 508

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<210> 1915

<211> 2885

<212> DNA

<213> Homo sapiens

1198

<400> 1915

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cttccgaatc gggtagagcc tgtacacccg cactggctc gggtagctct tctaccgaca 180
gcagctgccc agggctcggg atcgctaccc taaaggccac tcgaaaaccc agccccgcct 240
cttcaatgga gtgaagggtg tccccatccc tgtcctctcg gacaactaca gctacctcat 300
catcgacacc caggccccagc tggctgtggc tgtggacctc tcagaccctc gggctgtgca 360
rgcttccatt gaaaagraag gggtcacctt ggctcgccat ctgtktactc acaarcactg 420
ggamcacart ggarggaacc gtgamctcar ccgggggcac cgggactgtc ggggtgtacg 480
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1199

<210> 1916
 <211> 3008
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2235)
 <223> n equals a,t,g, or c

<400> 1916
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1200

```

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ctcgtgcc                                     3008

```

<210> 1917

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1917

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gcggttgcta tcgcttcgca gaacctactc aggcagccag ctgagaagag ttgagggaaa 120
gtgctgctgc tgggtctgca gacgcgatgg ataacgtgca gccgaaaata aaacatcgcc 180
ccttctgctt cagtgtgaaa ggccacgtga agatgctgag gctggatatt atcaactcac 240
tggtacaac agtattcatg ctcatcgat ctgtgttggc actgatacca gaaaccacaa 300
cattgacagt tgggtggagggt gtgtttgcac ttgtgacagc agtatgctgt cttgccgacg 360
gggcccttat ttaccggaag cttctgttca atcccagcgg tccttaccag aaaaagcctg 420
tgcatgaaaa aaaagaagtt ttgtaatttt atattacttt ttagtttgat actaagtatt 480
aaacatattt ctgtattctt ccaaaaaaaaa aaanaaactg gagggggggc cgtaaccaat 540
cgccgtatat gatcgtaa                                     558

```

<210> 1918

<211> 1819

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1763)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1778)

<223> n equals a,t,g, or c

<220>

1201

<221> misc feature

<222> (1797)

<223> n equals a,t,g, or c

<400> 1918

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catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgcgtttgg ctctggctga tgctggtgac 240
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gccagcactt tcaatgatag agtttttgcc agtgaattga atgcaggaat tataaaaaca 420
gatcaaaact atgaaaagat gatgtttaaa gaagctttga aaacagggtt ttttgagttt 480
caggccgcaa aagataagta ccgtgaattg gctgtggaag ggatgcacag agaacttggt 540
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gttaattttg ggcttgggc 1819
```

<210> 1919

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

1202

<400> 1919

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ggagctcgag ctcaggggtcg tccccgtcgg tgaagataaa cgtctgctgg cggggccggg 180
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ttcttgcaaa acttattgtc cttgtcttca tttagcaaca gtggttaagta gttggaaacc 360
aagtatttat gtaagacaca catcacatgg tgatactcac atttatgtag aagtttattg 420
tttgaagttg ctttgtggcc atactttatt gtagtttkgg gatacagcta atgagtattt 480
ggsttttatt ctgattttat agtctgatta tttgggtcaa atcggnttag taggttaa 540
gagatgattt agtnggttaa ctcacttagg ttttttaa 577

```

<210> 1920

<211> 2115

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1342)

<223> n equals a,t,g, or c

<400> 1920

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caaaatcaaa gatgcgggtcg gtttctgtgt ccagccaacg gttgtggtt aggggtgttaa 180
accatttcat tcctttttatc ctcatcttag cggcggttag ccatcatttc gtcgacccan 240
gcgtccgatt aacactaaga tactctgatt tttagccraa ctaaacaag tgcttctact 300
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tgctccttct cttcatgcct gtggctggat gtcccacaac actataagaa atataagtca 720
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gaaaggtgaa gagcaggaat tctctctttc aaatcctaga gcataaacc atgtgtggcc 900
aagtgagatc agccctcaag ggcacatgcc aagggcagag cagcccatgt agacagcttc 960
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1203

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aaaaaaaaagg cggcc 2115

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<210> 1921

<211> 3953

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<400> 1921

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aaactggaca cgtcctctga gaagctagag tttttgcaac tttttggctt gaccacccaa 180
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aagttcctga ccatcttcaa cctgacccac atcagcgctg agaagaggaa agacaaagag 420
agacttggtt aaatgctccg tgccatgaag cagaaggcac tgtcagcagc agtggccgac 480
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1204

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1205

<210> 1922
<211> 1992
<212> DNA
<213> Homo sapiens

<220>
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<222> (1955)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1989)
<223> n equals a,t,g, or c

<400> 1922
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1206

<210> 1923
 <211> 725
 <212> DNA
 <213> Homo sapiens

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<210> 1924
 <211> 2227
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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1207

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<210> 1925

<211> 3911

<212> DNA

<213> Homo sapiens

<400> 1925

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1208

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cattccaaaa a 3911

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<210> 1926

<211> 1041

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

1209

<400> 1926

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<210> 1927

<211> 2310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2309)

<223> n equals a,t,g, or c

<400> 1927

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1210

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aggcttctga gcacagctgc attaaaacaa aggaagttyt ccttttgaac ttgtcacgaa 2220
ttccatcttg taaaggatat taaatgttgc tttaacctga aaaaaaaaaa aaaaaagggt 2280
sggccggacc caatttnccc taaangggng 2310

```

<210> 1928

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1928

```

gtgctgccgc ctcccgtcgc ccctgcgctc agagggtccc aaccagccca gccgctgcct 60
cttgccgctc cgcctttgga gtgaggaggg cgcagccgc gtcagaactt agagggccag 120
gcagggtcgc gcgcatggcc tgggcgggct cgcggcgggt cccagctggg acgcgcgcgg 180
cagccgagcg ctgctgccgg ctctcgctca gcccgggcgc gcaaccggcc cgccccaggc 240
cctctgcacc gccgcgacca atgaggtttc tgacctcctg carcctctc ttgcctcggg 300
ctgcccagat cttggcggst gargctggct taccttcgas ccgttcctty atgggatttg 360
ctgctccctt caccaacaag cgaaaggctt actcggagcg tagaatcatg ggtactcaa 420
t 421

```

<210> 1929

<211> 1283

<212> DNA

<213> Homo sapiens

1211

<400> 1929

```

gcacggcgca gtgaatacaa gaaaggggca ctattttaac acaacctttt cccgtgatca 60
ccaccgaaaa ttactgacga gtcaatcacc tcagatctct caagcagtc agcctacgca 120
acagtactcc acctctgctc ctgtgcgggg agggtaaggc ggggccagca acttcctcag 180
ctggaggagg agcgcacggg ggagccgcca gttgagaagg actctgatcc ggctcagctt 240
tccaatcagc tgcggaagga gccacgcttt cgggggttgc aagatggcgg ccaccagtgg 300
aactgatgag ccggtttccg gggagtgttg gtctgtggca catgcgcttt ctctcccagc 360
agagtcgtat ggcaacgatc ctgacattga gatggcttgg gccatgagag caatgcagca 420
tgctgaagtc tattacaagc tgatttcac agttgaccca cagttcctga aactcaccaa 480
agtagatgac caaattttact ctgagttccg gaaaaatttt gagaccctta ggatagatgt 540
gttggaccca gaagaactca agtcagaatc agccaaagag aagtggaggc cattctgctt 600
gaagtttaat gggattgttg aagacttcaa ctatggtact ttgctgctgc tagattgttc 660
tcagggctac actgaggaaa acaccatctt tgccccagg atacaattct ttgccattga 720
aattgctcgg aaccgggaag gctataacaa agctgtttat atcagtgttc aggacaaaga 780
aggagagaaa ggagtcaaca atggaggaga aaaaagagct gacagtggag aagaagagaa 840
caccaagaat ggaggagaga aaggagctga tagtggagaa gaaaaagagg aaggaatcaa 900
cagagaagac aaaactgaca aaggaggaga aaaagggaaa gaagctgaca aagaaatcaa 960
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tcttgtaaaa ttgaaggata cgcagaagga catctttcta gtctaacagt caggagctgc 1140
tctggtcatt cccttgatg aactggtcta aagactgtta gtggggtgtt agttgatttt 1200
tcctggtata ctgtttcttg gctgacacta ctgggtcaagt aagaaaattt taaataaaat 1260
tcttttggtt cttattatct aaa                                     1283

```

<210> 1930

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (667)

<223> n equals a,t,g, or c

<400> 1930

```

gaatgatcag tatacaagat acagtatttt ctagaaaaac tgtctctgat tctggacaaa 60

```

1212

```

gctcagttat agttacgaga aagatatggt acagggagga aaatactgcc tttttttttt 120
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tagaacaagt tttcaaagca taaaaagagg ttgagagaaa taacatattt attgattcac 240
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aattcatttg tctttttcag tatagttttt gtttaaggcaa atgtcttccc ttaatatcca 480
aatattgcta ataaacggtg gaagatgctt tnggaaatta aaattatctc gctgktggtt 540
agacttaaca ctgktaatct tyagccaaat atcacatatg gatcaaatta ttttctnttt 600
tggtgtttac ctatcctcaa caacattttt agtttaaat attgtaaana tttttttgtg 660
ggtggttatt tttatttgct ccaaaataat aagggtgcaa ctattttatg cttaactggt 720
gctctgtcaa aacactatgc atggattgca ttgaaaaaa aa 762

```

<210> 1931

<211> 1633

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1605)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1618)

<223> n equals a,t,g, or c

<400> 1931

```

tgcctctnat tttaggetga ggccgtccaa agcggccatg ccccatgttt ccaactagatg 60
gcgctgacac ttcaggcatc aaccctcatg gcctctcagc cttgcaaagg cagccactta 120
aagtcggtgt cctgtgtggg gcaccaagct gagctgcaga caccacagtag gcgcgaggca 180
aatgcgtccc attttaagag gcttgtattt atgagctctt tgcttctccc ctcccactaw 240
ctttaaagaa ttgctctcca tctccttttg caaagttcct ttgccctttg tcttattttt 300
gtgaaacctc caaggtattt ccagtcattt tgcattccaa ctggcatctt tacggagagc 360
ggtctcatat gctattgttg ttaacgtgga ctagtattta tgtgttgaga aactggctg 420
tttgtmagga aaagtgtgcc aaaacaaaga gtacggccgg ccctggaaat gcacagcaa 480
aaccattttc ccccggtcac tcattctgag cttccttccc tcatttctgt cattactgct 540
gagaactgga ctgtgcccag ctgacctttc ccttctctgc cctcatcttg ctgccagggt 600
ctgcagggtt gccaccgtcc cgccccagct ctgaaacatg ggattatttc agaattggag 660
gtggcagctt cagaaaaaaa tccttctcgt gtgttgactg ctgagatcca ggaactggga 720

```

1213

```

aatcaacccc cagtttgtag attgctctct ttggaaattc tgtggcccaa cctcgtggct 780
gtttttctgga attccttcta tcggggcaga cagtgctgtg ctttcttga cttcaggatg 840
ttccaaggat gctgctggat ctgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc 900
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ccttcaaaagt ggaacagtcc agtgccaaaa atttttagagt ttgagaagggt cacagaaatc 1020
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tgcaactaga tcagggtttt ggggtctgtgt tctttctacc gtcagcacct gtgtgggtcaa 1140
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ttcacatcat ttcagttttt agccctcatg actgtatttt ctaatcagag acaataacat 1560
tttaataaaa acaacgacaa agaaaaaaaa aaaaaaaagg gggcnnccct caaaggancc 1620
aacctttctt acg 1633

```

<210> 1932

<211> 1126

<212> DNA

<213> Homo sapiens

<400> 1932

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ttcgttttagg tcggctggaa attatgtcct ccgtcggttt tccgcagttt ttccaccaag 60
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attgctgccg tggagaagac tggaggaaac tcgaggaaga gggagaagcc gacaagtgtc 180
cgacgggcta ggaactgtcc tgcttgggtg tttagcgttt ccgycgggcc agtaaggctg 240
agtgasccgg cgtggctact aggagaagga cgtacgggtc tgctagtaga ggaatatgtc 300
gagtttctct agggcgcccc agcaatgggc cacttttgct agaatatggt atctcttaga 360
tggaataatg cagccacctg gcaaacttgc tgctatggca tctataagac ttcagggtatt 420
acataaacct gtgtaccatg cactgagtga ctgtggggat catgttggtta taatgaacac 480
aagacacatt gcattttctg gaaacaaatg ggaacaaaaa gtatactctt cgcatactgg 540
ctaccagggt ggatttagac aagtaacagc tgctcagctt cacctgaggg atccagtggc 600
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ggaaagggtg catctttttc cagatgagta tattccagaa gatattctta agaatttagt 720
agaggagctt cctcaaccac gaaaaatacc taaacgtcta gatgagtaca cacaagaaga 780
aatagacgcc ttccaagat tgtggactcc acctgaagat tatcggctat aagagaataa 840
gaattgcaga aaataacagt gaagtgattg aaactttctt ctgatgagtt tctctaacct 900
acaggatgga gtaaaacaac tgctacagtt cagcacctgt tttatgtgcc gaatcactgt 960
ggggaaagggt caggaagggt tagtccttca ataggaaatt gtaattaaaa tataatttta 1020
tagaaccatt tttatgtaat ctgatttgaa tgttatagtt gataataata aatcacttta 1080
cttggttgac tatttagtgt tgcatttaat gataaaaaac agacct 1126

```

<210> 1933

<211> 1797

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

1214

<223> n equals a,t,g, or c

<400> 1933

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attctcaaaa gagtattaca ggcgtgacac cactcttggc ccagcctgtg ggttttgatg 60
gggatgtctt ggctgctgtc ttggaggcac agtgtctccc catgtgtgtg tttcttggcc 120
cagagtgaact cccagtattc ctagtcttcc cccacaggat agtcacatcc attatttact 180
tttgttgtca gctgggaggg gaaactgaag cctggacacg tctccccaag ggctcagtgt 240
tcatgggtgt gtaagatcca ttgactggac cccagaaagc accctgaggg gcagtgcaga 300
gagagcccag gaagcccctc cactagagga ggcccttggc ctggctgagg accacgtcac 360
cctgggcctc cagsetgnct ttccacatta aaggcggggc agtctctctc caaaggagtt 420
ctcccttgag cactttgggc tctggggcag agttgggcta ggagatctgg gtgaatcctt 480
tagtcacagc tagtctcatg ttctcttctt gtcaaagggg tcatggcccc agtgtgtcct 540
acctcagagt tgtcagggtc aaagtaacag gcactgggac aaatatgaag cctagctttg 600
tgcttccctt caaattcagg gctccttttc tactccattc cagccttttt ttctgtcag 660
aatccctcag gaaggacctt tatcttcttg agtgagtggc agttccactg gggtcagtga 720
aagagtcgcc catggggctc tgttccccag gactcctttg tattttggtg aacaaattct 780
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gagacgggct gtcagcaaga gctcagacag gatgtggtgc aagtgcagg gcacgagttt 1320
aaccctcagc tgcaggagct agtctcagg gtctctggga tgctcaggc taagaatttt 1380
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gagtttgcct agcactcaga cctgtttaag taacgttctt tacattgaaa caagtcaacc 1560
gaagctttgt ggtgcaggag ctgagggtgc cccagactca gtgggagccc tggttgggcc 1620
ccaaactctc ccagcagggt cctcgggttc ctcatttgtg aaataaatga gtgggccacg 1680
acgttaataa gcccaagaga actgtgaagg tggtagtccc ttgccctaata tgggtgctcaa 1740
taaagttggtt ggcataaacg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaa 1797
```

<210> 1934

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1215

<222> (335)

<223> n equals a,t,g, or c

<400> 1934

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ttcaggtgac actcatagaa ggtacgcctg caggtaccgg tccgraattc ccgggtcgac 60
ccacgcgtcc gcacattagc aacaatgtac attaatTTTg gatTTTcatt tTcatgTTTT 120
atTTTgTaaa tattatctga tGTTTggagc ttgagtatac agactgTaaa tatagTtctt 180
gtatTTgtac taattctgat tctTTTgctg tatagcctta gatgtgcaat gcagacacta 240
tctaactgtg tgtgggtaacc ttgcgtcacg gagctgttag tgaacgaggt aaaaataata 300
aaggtacagc cagtngcatc aaaaaaaaaa anaanaa 337

```

<210> 1935

<211> 1330

<212> DNA

<213> Homo sapiens

<400> 1935

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gctgcgctcg gctgagtcag tcagtctgtc ggagtctgtc ctccggagcag gcggagTaaa 60
gggacttgag cgagccagtt gccggattat tctatttccc ctccctctct cccgccccgt 120
atctctTTTT acccttctcc caccctcgct cgcgtagcca tggcggagcg tcggcggcca 180
ctcagTccca ttccatctcc tcgtcgtcct tcggagccga gccgtccgcg cccggcggcg 240
gcggggagccc aggagcctgc cccgccctgg ggacgaagag ctgcagctcc tctgtgTcg 300
tgcacgatct gatTTTctgg agagatgtga agaagactgg gTTTgtcttt ggcaccacgc 360
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agaagtcaga agaaggccat ccattcaaag cctacctgga cgtagacatt actctgtcct 540
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tcattattcg tctctTTctg gtagaagatc tggTtgactc cttgaagctg gctgtctTca 660
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atgtttggcat cgccccgagat cagaccaagt caattgttga aaagatccaa gcaaaactcc 840
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ggTccttctg tccagTTTTc agcactagtc ttactcagct atccattata gTTTTgccct 1260
taagaagtca tgattaaact atgaaaaaat tatttgggga caggagTgtg ataccttctc 1320
tggtTTTTtc 1330

```

<210> 1936

<211> 678

<212> DNA

<213> Homo sapiens

<400> 1936

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ccggcaggtg acaacggcaa catggccctg aacggagctg aagtcgacga cttctcctgg 60
gagcccccca ctgaggcgga gacgaaggTg ctgcaggcgC gacgggagcg gcaagatcgc 120
atctccccgg tcatggggca ctatctgctg cgcggTtacc gcatgctggg cgagacgtgt 180
gcggactgcg ggacgatcct cctccaagac aaacagcgga aaatctactg cgtggcTtgt 240

```


1216

```

caggaactcg actcagacgt ggataaagat aatcccgcctc tgaatgccc a ggctgccctc 300
tcccaagctc gggagcacca gctggcctca gcctcagagc tccccctggg ctctcgacct 360
gcgccccagc cccagctacc tcgtccggag cactgtgagg gagctgcagc aggactcaag 420
gcagcccagg ggccacctgc tcctgctgtg cctccaaata cagatgtcat ggctgcaca 480
cagacagccc tcttgcaaaa gctgacctgg gcctctgctg aactgggctc tagcacctcc 540
ctggagacta gcatccagct gtgtggcctt atccgcgcac gtgcggaggc cctgcgcagc 600
ctgcagcagc tacagcacta agagaagccc ctgagaaaaa ccctctagaa aaacaaaaaa 660
aaaaaaaaaa aaaaaaaa

```

<210> 1937

<211> 2428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2422)

<223> n equals a,t,g, or c

<400> 1937

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cctcctcctt ctccatgcct ctgttctctc tgcctcttact tgcctctgctc ctgctgctcg 120
aggacgctgg agcccagcaa ggtgatggat gtggacacac tgtactaggc cctgagagtg 180
gaacccttac atccataaac taccacaga cctatcccaa cagcactgtt tgtgaatggg 240
agatccgtgt aaagatggga gagagagttc gcatcaaatt tgggtgacttt gacattgaag 300
attctgattc ttgtcacttt aattacttga gaatttataa tggaattgga gtcagcagaa 360
ctgaaatagg caaataactgt ggtctggggg tgcaaatgaa ccattcaatt gaatcaaaaag 420
gcaatgaaat cacattgctg ttcatgagtg gaatccatgt ttctggacgc ggatttttgg 480
cctcatactc tgttatagat aaacaagatc taattacttg ttgggacact gcatccaatt 540
ttttggaacc tgagttcagt aagtactgcc cagctgggtg tctgcttccy tttgctgaga 600
tatctggaac aattcctcat ggatatagag attcctcgcc attgtgcatg gctgggtgtg 660
atgcaggagt agtgtcaaac acgttgggcg gccaaatcag tgttgtaatt agtaaaggta 720
tyccctatta tgaaagttct ttggctaaca acgtcacatc tgtgggtggga cacttatcta 780
caagtctttt tacatttaag acaagtggat gttatggaac actgggggatg gagtctggtg 840
tgatcgcgga tctcaaaata acagcatcat ctgtgctgga gtggactgac cacacagggc 900
aagagaacag ttggaaaccc aaaaaagcca ggctgaaaaa acctggaccs ccttgggctg 960
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gaatcctgta cagtgatgat gggcagaaat ggactgtgta cagagagcct ggtgtggagc 1140
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caccaattat tgcacgtttt attagagtga atcctaccca atggcagcag aaaattgcca 1260
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atgtaaccaa agatgtagcg ctggctgcag ttcttgtccc tgtgctggtc atggtcctca 1560
ctactctcat tctcatatta gtgtgtgctt ggcactggag aaacagaaag aaaaaaactg 1620
aaggcaccta tgacttacct tactgggacc gggcaggtaa ctcacgtggc ctttgcattc 1680
catttctatc agagggatgt cgctccccta cagggggcag tagtgaaaaa agagtcattc 1740
tctggcccag gtgaactccc cgacactgtt agaacaatgg cattactctt cagttctcac 1800
catttttacc cttctgcaaa gtctcttgta attcctaagt aatgaaatga aaagtacaaa 1860

```

1217

```

tttcttaaaa caagctctgt tctttttctt ctggaaaact tgtgtagttt gtcctgtgta 1920
tctgtttctc atgaggagac cggctttctg tggccacgt gaacactgag taagaaaca 1980
aagactgtgg tctccaggac acagtgtgtg tttgtcctct gccatggta ttcaccaagt 2040
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tgccccaggg tagatcttgg aaaatatatt ttgggaaaaa tgtaattaag gccacccta 2280
aaatagatac tgtatctggc tgtactatac taacagtgat ttgcctgcat gtgtttgata 2340
gagatttcta ccatgtactg cttggtgctg gatagtctat cacagcaara aaaaaaaaaa 2400
aaaaaactcg agggggggcc cngtaccc 2428

```

<210> 1938

<211> 922

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (849)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (893)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (909)

<223> n equals a,t,g, or c

<400> 1938

```

gtancngaca gtcacggctg gattccccggg tcgacccacg cgtccgggtcc gcagtgacta 60
cactcatggc aggtcccctg tggcgggaccg cagcatattgt gcagagacac aggacaggcc 120
tcttggtggg ttccctgtgca ggcctgtttg gagttccagt ctcgtaccac ctcttccccg 180
atccccgtgg tccaatggctc taccagtact ggcctcaggg ccasccagct ccgctccctc 240
cacagctgca gagcctcttc caagaggtgc tacaggacat aggtgttcct tcaggccatt 300
gctacaagcc cttcaccacc ttcaccttcc agcctgtgag tgcaggcttc ccaagactcc 360
ctgctggggc tgtggtgggc atccctgcc a gtttcttggg agacctagt atcaaacata 420
accatccccg ggtcatacat gggcatacag tggamtkgcg gagccagcar gcgccccggt 480
gagagcttcc ctgacctgt cccgtgaagc ccagaagttc gccttggcca ggggaagtgg 540

```

1218

```

gtacctggaa agcagtagca ctgccgtgca cgccctgctg gccccagctt gcttggcagg 600
gacctgggca ctgggcgtgg gtgccaagta caccctgggg ctccatgcag gccccatgaa 660
tttacgggct gccttcagct tgggtggcagc agtggcaggc tttgtggcct acgccttctc 720
ccaggattct ctactcatg ccgtggagtc ctggctggac cgccgcacgg cytccctctc 780
tgcagcctat gcctgtgggtg gagtggagtt ctatgagaag cttctgtcgg gcaacctggc 840
cctgcgcant ctctttgggc aaaagaaggg ggagaagctg tatacaccca acngggaaca 900
tcgtccccna gacacttggt cc                                     922

```

<210> 1939

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 1939

```

tcccnacccc tcttccccct actttgcctt accccctcac cctcaagac agatgcccc 60
ttgcctttta aaaagttgga ttttaaccga cgtgtttagt ggttcttggc ctgtgtgaag 120
gcagagacca gagagaagga agtgagccca ctgctctcct gggagcaatg tgggtgagtc 180
caccagaggc cctgctgtgt gtggccaata aatttttagt tccccagcc ctcgaggcag 240
tgtgtgtgga tgtatgcgtg tggatattta tatatgtacc ctgcactcat gaatgtatga 300
actggaggaa gttactacag tggaaagggtt cttaataaca aggtctacct agcatgaagt 360
atttaacatt ctcccatccc ttaaaaaata tacattttta taaaatgaaa accataataa 420
atgttttgaa tattaataaaa aataataacc tacagaggaa aattaatgga gacagctatt 480
tgccttgtac tttttccaca attgttgcgt ctagttgtac acatctctag ttcagctctt 540
gcccacggga cactcatcaa ttaggtttta tttttawttc tttcctctac cccagaaac 600
aagcctgtta atttttttcc ttctcctctg gsgactgtgt gatgaaycct tycttgcgtg 660
atcagggttc ggataractt gtaagggkgt ttgctgcata cagkgtwagc attgtgaccg 720
ccaataaact tcaatggttt ctaaaaaaaaa aaaaaa                                     756

```

<210> 1940

<211> 1884

<212> DNA

<213> Homo sapiens

<400> 1940

```

aggctgatta tttactgtct agaatggatg ttaccagctg catctcttac cgaaattttg 60
caagttgtat gggagactcc cgtttgttga ataaggttga tgcttatatt caggagcatt 120
tgttacaaat ttctgaagag gaggagtttc ttaagcttcc aaggctaaag ttggaggtaa 180
tgcttgaaga taatgtttgc ttgccagca atggcaaatt atatacaaag gtaatcaact 240
gggtgcagcg takcatctgg gagaatggag acagtctggw wgwgtgatg gaagagggtc 300
aaaccttgta ctactcagct gatcacaagc tgcttgcgtg gaacctacta gatggacagg 360
ctgagggtgt tggcagtgat gatgaccaca ttcagtttgt gcagaaaaag ccaccacgtg 420
agaatggcca taagcagata agtagcagtt caactggatg tctctcttct ccaaatgcta 480
cagtacaaag ccctaagcat gagtggaaaa tcgttgcttc agaaaagact tcaataataa 540
cttacttgtg cctggctgtg ctggatggta tattctgtgt catttttctt catgggagaa 600
acagcccaca gagctcacca acaagtactc caaaactaag taagagttta agctttgaga 660
tgcaacaaga tgagctaata gaaaagccca tgtctcctat gcagtagcga cgatctgggtc 720

```

1219

```

tgggaacagc agagatgaat ggcaaactca tagctgcagg tggctataac agagaggaat 780
gtcttcgaac agtcgaatgc tataatccac atacagatca ctggtccttt cttgctccca 840
tgagaacacc aagagcccga tttcaaattg ctgtactcat gggccagctc tatgtggtag 900
gtggatcaaa tggccactca gatgacctga gttgtggaga gatgtatgat tcaaacatag 960
atgactggat tctgtttcca gaattgagaa ctaaccgttg taatgcagga gtgtgtgctc 1020
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atttgtatgt atttgatcct gtaacaaagt tgtggacaag ctgtgcccct cttaacattc 1140
ggagacacca gtctgcagtc tgtgagcttg gtggttattt gtacataatc ggaggtgcag 1200
aatcttggaa ttgtctgaac acagtagaac gatacaatcc tgaataaat acctggactt 1260
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caactagaaa tgaatggaag atgatgggaa atatgacttc accaaggagc aatgctggga 1440
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atacggtgga agtctataac cttgagtcaa atgaatggag cccctataca aagattttcc 1560
agttttaaca aatttaagac cctctcaaac taacaggctt agtgatgtaa ttatggttag 1620
yagaggtaca cttgtgaata aagaggggtg gtgggtatag atgttgctaa cagcaacaca 1680
aagcttttgc atattgcata ctattaaaca tgctgtacat actttttggg tttatttggg 1740
aaggaatgca aagatgaagg tctgttttgt gtacttttaa gactttgggt attttacttt 1800
ttggaaaaga ataaaccaag aattgattgg gcacatcaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaagggcgg ccgctcaaga gtat                                     1884

```

<210> 1941

<211> 2731

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1629)

<223> n equals a,t,g, or c

<400> 1941

```

aaggcgtctg gagtttaatg ttacttggtg atatgagact tncattcttn cagggtggaag 60
atgagctcag ctccccagtg gtgggtgttca gattttttcca ggaattacca ggctcagatc 120
cgggtgtttaa agccgtccca gtgcccaca tgacaccttc aggagtcggc cgggagaggc 180
actcgtgtga cgcgtgaat cgctggctgg gagaacagct gaagcagctg gtgcctgcaa 240
gcggcctcac agtcatggat ctggaagctg agggcacgtg tttgcgggtc agccctttga 300
tgaccgcagc agtttttagga actcggggag aggatgtgga tcagctcgta gcctgcatag 360
aaagcaaact gccagtgtctg tgctgtacgc tccagttgcg tgaagagttc aagcaggaag 420
tggaagcaac agcaggtctc ctatatgttg atgaccctaa ctggtctgga ataggggttg 480
tcaggtatga acatgctaata gatgataaga gcagtttgaa atcagatccc gaagggggaaa 540

```

1220

```

acatccatgc tggactcctg aagaagttaa atgaactgga atctgacctt acctttaaaa 600
taggccctga gtataagagc atgaagagct gcctttatgt cggcatggcg agcgacaacg 660
tcgatgctgc tgagctcgtg gagaccattg cggccacagc cggggagata gaggagaact 720
cgaggcttct ggaaaacatg acagaagtgg ttcggaaggg cattcaggaa gctcaagtgg 780
agctgcagaa ggcaagtga gaaacggctt tggaagaggg ggtgttgcgg cagatccctg 840
tagtgggctc cgtgctgaat tgggtttctc cggtcaggc tttacagaag ggaagaactt 900
ttaacttgac agcaggctct ctggagtcca cagaacccat atatgtctac aaagcacaag 960
gtgcaggagt cagcgtgcct ccaacgcctt cgggcagtcg caccaagcag aggcctccag 1020
gccagaagcc ttttaaaagg tccctgcgag gttcagatgc tttgagttag accagctcag 1080
tcagtcacat tgaagactta gaaaagggtg agcgccctatc cagtgggccc gagcagatca 1140
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agaccgaggc cttccagaaa ggggtcccac acccagaaga tgaccactca caggtagaag 1260
gaccggagag ctttaagatga gactcattgt gtggttttag actgtactga gtattgtttc 1320
agggaagatg aagtcttatt ggaaatgtga actgtgccac atactaatat aaattactgt 1380
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gacttttccc taagttacca taaacacatt ttattcacia aaaacacttc gaatttcaag 1560
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ataccgtttg taaagagaaa ctgtaaagtc tctctctgac catatatttt taaatactgg 1980
caaagctttt aaaattggca cacaagtaca gactgtgctc atttctgttt agtatctgaa 2040
aacctgatag atgctaccct taagagcttg ctcttccgtg tgctacgtag caccacactg 2100
gttaaaatct gaaaacaagt acccctttga cctgtctccc actgaagctt ctactgccct 2160
ggcagctcgc ctgggcccac ctcagaaaca ggagccagca gagcactctc tcacgctgat 2220
ccagccgggc accctgctta agtcagtaga agctcgtcgg cactgcccgt tctacttttt 2280
ccgaagtact gcgtcacttt gtcgtaagta atggcccctg tgccttctta atccagcagt 2340
caagcttttg ggagacctga aaatgggaaa attcacactg ggtttctgga ctgtagtatt 2400
ggaagcctta gttatagtat attaagccta taattatact ctgatttgat gggatttttg 2460
acattttacac ttgtcaaaat gcaggggggt ttttttggtg cagatgatta aacagtcttc 2520
cctattttgt gcaatgaagt atagcagata aaatggggga ggggtaaatt atcaccttca 2580
agaaaattac atgtttttat atatatattg aattgttaaa ttggttttgc tgaaacattt 2640
cacccttgag atattatttg aatgttggtt tcaataaagg ttcttgaaat tgttaaaaaa 2700
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a

```

<210> 1942

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (239)

1221

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<400> 1942

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ctggagtaag gtgctgcgga cgacgcgncc tgggaggata aggatgaatt tttagatgtg 60
atctactggg tccgacagat cattgctgtg gtcctgggtg tcatttgggg agttttgcca 120
ttacgagggt tcttggaat agcagggtaa gtcttgggtg tcttatattt tcatgggtatc 180
atctcttttt aaatagaggc tttttttcct gttacaggaa aggccattgc tgctctggna 240
gctgtgtgtg tgtgtratga ctaaagcaaa gaagcagccc tacagtggca ctcttgggtc 300
tggtgcacca ctctcagga gcatctcara ttctgcctga tcaatgcagg agtctgtac 360
ctctacttca gcaattacct acagattgat gaggaagawt atggtggcac gtgggagctc 420
acgarggaag ggtttatgac cycttttgcc ttgttcaggc cattggatca tcttttacac 480
tgccatccat tagnactgat ggtgtacagc tcccaatgct ccctatccag tccaaaggac 540
cctcttggat tacagcacag gaacttggat cgttggggaa cccagccctt tgggaacttg 600
gaagaccctg gtttccggga ccgcgaatca gtgtgttggg gcatcagtgt tttctgacaa 660
gggttgtgac ctggaaactt tttaaaaacc acccacctt gggggaagca tttctggaat 720
tatccatcac caaccattct tcttgggat 749
```

<210> 1943

<211> 1222

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1186)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1217)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1219)

<223> n equals a,t,g, or c

1222

<400> 1943

```

ggcccccttt ggctctgtag agccggcgga accgggtagc ttggccaggt tgtgaggaac 60
cgcagcgcg cgcaggaccg ggccgctgag cctgcagccg ccccgcgccg tgacctgcga 120
ccctagaccc cgactccctt tggtcagcc cgcgcgcccc agggccggcc cgggcggcgc 180
gacgggagga tgagcggcgg gcggcggaag gaggagccgc ctcagccgca gctggccaac 240
ggggccctca aagtctccgt ctggagtaag gtgctgcgga gcgacgcggc ctgggaggat 300
aaggatgaat ttttagatgt gatctactgg ttccgacaga tcattgctgt ggtcctgggt 360
gtcatttggg gagttttgcc attacgaggg ttcttgggaa tagcaggatt ctgcctgac 420
aatgcaggag tcctgtacct ctacttcagc aattacctac agattgatga ggaagaatat 480
ggtggcacgt gggagctcac gaaggaaggg tttatgacct cttttgcctt gttcatgggtc 540
at ttggatca tcttttacac tgccatccat tatgactgat ggtgtacagc tcccaagtgc 600
tccctatcca gtccaaagga ccctcttgat tacagcacag gaacttgatc gttggggaac 660
cccagcccct tggaacttgg aagaccgtg tttcctggac cgcgaatcag tgtgttgggc 720
atcagtgttt tctgcaaggg ttgtgacctg aaacttttta aaaaccaccc accttgggg 780
aagcatttct gaatttatcc atcaccaacc atttcttctt ggataccatc aagtaacagc 840
tattatttgc caagtggagc tgtcatttaa tttgatgcac ctctggattc agatgaaaca 900
ttaaattgtc ttctctgatt ctccatcggg tgtagagttt ttaaactatc aatggcattt 960
caagtcttct gaaacagcat ggctgtatgt gcgtgggtcca tagcacagta catgcagcat 1020
ctaataagag tttccattgt agaatgtttt cacatacttg aataaatcaa atctttaatt 1080
gagaaaaaaa aaaaaaaaaa rccggccgct ctagagggat cccaagctta cgtacgcgtg 1140
ccatgccaac ggcataagct tcttttatag ggggcaccta aantcnaatt cactgggccc 1200
cgtttttaca acggcnngna ct 1222

```

<210> 1944

<211> 2786

<212> DNA

<213> Homo sapiens

<400> 1944

```

ggtggtcggc ggcggcgggc gcggcgggcg cggcacagag ccggtggtgg agccgcccag 60
gagggtcacg cagcacaatg ccagctctgc cctggacca actccagatc acccacaagg 120
acccgaagac aggaaagctg aggacttcac cagcgctgca ccccgagcag aaggcagacc 180
ggtattttgt gttatacaaa ccgcccccta aagacaacat tcccgcctta gtggaggagt 240
acctggaacg cgccaccttc gtagccaatg acctcgactg gtccttggcc ttgcctcacg 300
ataaattctg gtgccagggtg atctttgacg agactctaca gaagtgcctg gactcctacc 360
tgcgctatgt ccccgcaaaa ttgcagcagg ggggtggcctc agcccttgag gttgttgaca 420
tgcagaagcg cctccatcga agtggttttc tcaccttcc cgcgatgtcc actcacaagg 480
aatccaaaga tcacttcatt tccccttctg cgtttggaga aatcctctac aataacttcc 540
tctttgacat tccaaagatc ctggacctct gcgtgctctt tggaaaaggc aactcaccac 600
tgctccagaa gatgatagga aacatcttta cacagcagcc aagttactac agtgacctgg 660
atgaaacctt gcctaccatc cttcagggtct tcagcaatat cctccagcac tgtggtttgc 720
aaggggacgg ggccaatacc acaccccaga agcttgagga gaggggcccga ttgaccccca 780
gtgacatgcc tctcctggaa ttaaaggaca ttgttctcta cctttgtgat acctgcacca 840
cactttgggc ctttctggat atcttccctt tggttggcca gaccttccag aagcacgact 900
tttgttacag actagcttcc ttctacgaag cagcaattcc cgaaatggag tctgcaatta 960
agaagaggag gcttgaagat agcaagcttc ttggtgacct gtggcagagg ctctccatt 1020
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tcctagaaag cagctgtgac aacattcagg gcttcacga agagtctctt cagatcttca 1140
gtccttggct gcaggagaag aggttccctc gggactatga tgcactcttc cccgtggccg 1200
aagacatcag cttgctgcag caggectcat cagtcttggga cgagacgcgg actgcctaca 1260

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1223

```

tcctccaggc agtcgagagt gcatgggaag ggggtggacag acggaaagcc acagatgcta 1320
aagacccatc ggtgattgag gaggcctaag gggagcctaa cgggggtcacg gtgacagcag 1380
aggcagtcag tcaagcatca tcacatccgg agaactcgga ggaagaggag tgcattggag 1440
cagccgcggc tgtgggccct gccatgtgtg ggggtggaact ggactctctc atctcccaag 1500
tgaaggacct gctgccagac cttggtgagg gcttcacctt ggcctgcctg gagtactacc 1560
actacgaccc agagcagggtg atcaacaata tcctggagga gcggctggcc cccaccctca 1620
gccagctgga ccgcaaccta gacagagaaa tgaaaccaga ccctacaccc ctgctgacgt 1680
ctcgccacaa cgtcttccag aatgacgagt ttgatgtgtt cagcagggac tcagtagacc 1740
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aggaggtgcc actgcagcca ggcgagagcc tgccctacca cagtgtctac tacgaggatg 1920
agtacgatga cacatacgat ggcaaccagg tgggcgcca tgatgcagac tctgatgacg 1980
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gaggccatgg gcagagccgc gagacaaccc aggaacgcag gaagaaggaa gccacaagg 2280
cgacaagagc caaccacaac cggagaacca tggccgaccg caagaggagc aaaggcatga 2340
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cgcgctccca tcgcctgggg cctcctcact aggggccccca agttcaactc aaccctcaa 2460
cagcctcagc tttgcagccc ctgagaaggc cgctctcat ctaccagcca gccatgagcg 2520
ccttcttgca gaacacacag tgctttatgc cacagccgaa gaatccgtgg ggccggcaag 2580
caggcacctt cccccagctg cgctagcggg aaagagatgg ggatggagtc ccaaggcaag 2640
cgccccaaac ctcgggccac aagacaccac ttccccctta ccctggacag caggaaacct 2700
gtatatccaa aaacacaaaa agtcctgcta ataaaatttt tgaccctttc aaaaaaaaaa 2760
aaaaaaaaaa aaaaaaaaaa aaaaaa 2786

```

<210> 1945

<211> 1483

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1478)

<223> n equals a,t,g, or c

<400> 1945

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aatcggcac gagccgggct ctaccagag caagaccctg atggctgcgg tgtttctggt 60
aacgctttat gaatactcgc cgcttttcta catcgcggtg gtctttacct gcttcacgt 120
gaccaccggc ctggtattgg gatggtttgg ttgggatgtt ccagtaattc tgagaaattc 180
agaagagacc cagttcagca caagagtttt caaaaagcaa atgagacaag tcaagaatcc 240
ttttggctta gagatcacta atccatcttc agcttcaatt acaactggca taaccttgac 300
aacagattgc cttgaagata gcctccttac atgctactgg ggggtgcagt ttcaaaaaatt 360
atatgaagct ctgcagaagc atgtttattg cttcagaata agcactcccc aagcattaga 420
agatgctctg tatagtgaat atctctatca ggaacagtat tttattaaaa aggatagcaa 480

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1224

```

agaagaaata tattgccagt taccaagaga tactaaaatt gaagactttg gtacagtacc 540
cagatctcgc tatccattgg tagcgtatt gaccttagct gatgaggatg accgggaaat 600
ttatgatatt atttccatgg tgtcagtgat tcatattcct gataggactt ataaactatc 660
ctgcagaata ttgtatcaat atttactctt ggctcaaggt caatttcatg atcttaagca 720
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<210> 1946

<211> 1587

<212> DNA

<213> Homo sapiens

<400> 1946

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1225

<210> 1947
 <211> 2007
 <212> DNA
 <213> Homo sapiens

<400> 1947
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<210> 1948
 <211> 1250
 <212> DNA
 <213> Homo sapiens

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1226

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<210> 1949

<211> 2154

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2152)

<223> n equals a,t,g, or c

<400> 1949

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1227

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<210> 1950

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

1228

<220>
<221> misc feature
<222> (599)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (630)
<223> n equals a,t,g, or c

<400> 1950
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<210> 1951
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 1951
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<210> 1952
<211> 755
<212> DNA

1229

<213> Homo sapiens

<220>

<221> misc feature

<222> (648)

<223> n equals a,t,g, or c

<400> 1952

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<210> 1953

<211> 1022

<212> DNA

<213> Homo sapiens

<400> 1953

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<210> 1954

<211> 1776

<212> DNA

<213> Homo sapiens

1230

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<400> 1954
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aaaaaaaaaa aaaaaaaaaa aaaaaagggc ggccgc 1776

<210> 1955
<211> 1129
<212> DNA

1231

<213> Homo sapiens

<400> 1955

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<210> 1956

<211> 279

<212> DNA

<213> Homo sapiens

<400> 1956

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<210> 1957

<211> 923

<212> DNA

<213> Homo sapiens

<400> 1957

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1232

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<210> 1958

<211> 1757

<212> DNA

<213> Homo sapiens

<400> 1958

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<210> 1959

<211> 2856

<212> DNA

<213> Homo sapiens

<400> 1959

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1233

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<210> 1960

<211> 1720

<212> DNA

1234

<213> Homo sapiens

<400> 1960

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<210> 1961

<211> 2854

<212> DNA

<213> Homo sapiens

<400> 1961

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1235

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<210> 1962

<211> 4087

<212> DNA

<213> Homo sapiens

<400> 1962

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1236

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cataagtaaa	tttttatattg	attaagttaa	acttttgaat	tgatttgagg	agcagtaaaa	3540

1237

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tgaaagctat atctattcta aaccttattt agacattggt accagttacc caggtgaaaa 3600
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<210> 1963

<211> 801

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (744)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (773)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

<400> 1963

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cgggggtcat cttcttctctg gccctgctgc tgtgcattgc gcttctkctg tcctactcca 60
tccacctcct gctgacctgt gctgggtattg cagggactgg ttcttgaagg gaaacctcct 120
catcatcatc gtcagtgtgt taatcctcct gccctctgcc ctcatgaaac acttgggcta 180
cctgggggtac accagtggtc tctctctgac ctgcatgctg ttttctcttg tttcgggtcat 240

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1238

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ctacaagaag ttccaacttg gctgtgctat aggccacaat gaaacagcaa tggagagtga 300
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agttgactca cagatgtcct acacagtgcc cattatggct tttgcttttg tctgccaccc 420
tgaggtgctg cccatctata cggagctctg ccgttcacg acctctacac ctcaggccct 480
ccaagcgcag gatgcaggcc gtggccaacg tgtccattgg ggccatgttc tgcattgatg 540
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acatgtacag ccagaaggac ccgctcatcc tctgtgtgcg cctggccgtg ctgcttcgcn 660
ggtgacccct cactgtgcc a gtcgtgctgg ttccatccg ccgggccctg gaagcaactg 720
cttttcccag gcaaggccct ttancttggc cagcagattg tnggccatta gcntttgaat 780
ccttgctttg ntttgggtca n 801

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<210> 1964

<211> 1626

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1607)

<223> n equals a,t,g, or c

<400> 1964

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cggacgcgtg ggcggaacgcg tgggaaaagg tgaacaaatc tttccttcag gtagatgctg 60
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catctgaggt catctcatcc ttaagagaac ttttaggacc agacaggaat gctcatctct 180
ctgtgcccg tagttctctg ggggtggcct gaggtgact tgtctgtagt cactgagttc 240
atttactttt attttctagg ccttatgatg ggaaatggag taaaacaatg gtgggatttg 300
ggcctgagga tgatcatttt gtcgcagaac tgacttacaa ttatggcgtc ggagactaca 360
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ggaagctgga gtggccactg acggaagtgt cagaaggtgt ttttgaaacc gagggccccg 480
gaggatataa gttctatttg cagaatcgca gtctgcctca gtcagatcct gtattaaaag 540
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tgaaaattta tgaaaaagat gaagaaaagc aaagggtctt gctgggctat gctgataacc 660
aggtgagcaa tcttggagaa gaataacctg ttactttgaa tttggcttgt aaacgaagct 720
tataaatggc ttataacctt tataaatgaa gttaacatga aggttgttcc catagtttct 780
tcacagtgat tcaatattta tatagataaa cagaagaaaa taagtgataa ccttaccacc 840
cagatattac cttgtttata tttggggata tatctcttca gaagtggaat tgcttaatcc 900
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tactttattc ctttagtata taatatttga attttctac cacatacgtg taatgaatgt 1440
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aagggtgggg tggaccatgc agcagctttt ggaagaattg ccttctcttg cccccagaaa 1560
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gaactt 1626

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1239

<210> 1965
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1965
tccgcaccgg gactcgggac tcccgggaag tggaccggca gaagaggggg ctagctagct 60
gtctctgctg accagggaga ccccgcgccc ccccggtgt gaggcggcct cacagggccg 120
ggtgggctgg cgagccgacg cggcgggcgga ggaggctgtg aggagtgtgt ggaacaggac 180
ccgggacaga ggaaccatgg ctccgcagaa cctgagcacc ttttgccctgt tgctgctata 240
cctcatcggg gcggtgattg ccggacgaga tttctataag atcttggggg tgccctgaag 300
tgccctctata aaggatatta aaaaggccta taggaaacta gccctgcagc ttcatcccca 360
ccggaaccct gatgatccac aagcccagga gaaattccag gatctgggtg ctgcttatga 420
ggttcttggtc agatantgag aaacggaaaac agtacgatac ttatggtgaa naaggattaa 480
aagatgggtca tcagagctcc atggagacat tttttacact tctttgggga tttgggttat 540
gttggangaa ccctgtngaa gacagaattt ccagaggaat gtntattgaa 590

<210> 1966
<211> 1970
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

1240

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1964)
<223> n equals a,t,g, or c

<400> 1966
nggtgaaggg caatcagctg ttgccgtctc actggtgaaa agaaaaacca ccttggcgcc 60
caatacgcaa accgcctctc nccgcgcgtt ggccgattca ttaatgcagc tggcacgaca 120
ggtttcccga ctggaaagcg ggcagtgagc gcaacgcaat taatgtgagt tagctcactc 180
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actcactata gggaaagctg gtacgcctgc aggtaccggg ccggaattcc cgggtcgacc 360
cacgcgtccg actagttcta gatecgcatc tagaactagt cccacgcgt ccgcttgaag 420
cacagggtgag ggatcctggc ccacagcctc agccccactc tgctctccca cagggtgcaa 480
gaggagtgcc ccttcgggtc cttcggcttc cagtgtcac agcgtgtga ctgccacaat 540
ggggggcagt gttcacccac caccgggtgcc tgcgagtgtg agcctggcta caagggccca 600
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gcaccatgtg gtctgtgccg agtgccaagg gtaaaaggcag agaatgctgt gggagtgcag 1680
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ccgactccaa gaactgctac cactcagcag gagttgaaaa gagatataaa gcttatttgc 1860
attggtgttc caccctacca gctctttgtg ggggaaaaaac cctgatctgt aacatctgca 1920
gattttttaa atataaatat tcctaccaa aaaaaaaaaa aaaaaaaaaa 1970

<210> 1967
<211> 1222
<212> DNA
<213> Homo sapiens

1241

<220>
 <221> misc feature
 <222> (1198)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1199)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1219)
 <223> n equals a,t,g, or c

<400> 1967
 gcctgggttc ccascgggctt cscagaggt ggaagaaacc cgaracgttc cgaagtcaac 60
 gcaagcaaag gggagtgcgg gtcggggagg aatattcttt tggaaacgta atattggcct 120
 tggggctctc cagccctttg ggacttccaa tgggatctta gaagcagccg aagcagcgtg 180
 agggcggcas ccagggccag ccacgatttg aacgctctgc cttgcagctc ttctggaccg 240
 aggagcccaa agccctaccc tcaccattca ccaggtcctg tgggaagagc agcgtggagr 300
 tgggctgagg ttagaagggtg cagagcgtgg aagaagattg tgagctgagt attggacatc 360
 tgttcttgaa tagtccctgg gcctgccata ggaaaggaag ttctccaggg ttacagttct 420
 tatccgcgtg aatacacatg gctctgttac gaaaaattaa tcagggtgctg ctgttccttc 480
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 atgacgcaga tgatgaatcc gagactcctg aagaactgga agaagagatt cctgtggtga 600
 tttgtgctgc agcagggagg atgggtgcc ctatggctgc catcaatagc atctacagca 660
 aactgacgc caacatcttg ttctatgtag tgggactccg gaatactctg actcgaatac 720
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 aaggaccttg gcatcagccc cagcacctgc tctttcaatc ctggtgtgat tgttgcaaca 1140
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 gaggaaaacc tttttgcang tt 1222

<210> 1968
 <211> 1438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (7)

1242

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1424)

<223> n equals a,t,g, or c

<400> 1968

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nccccgncctt naggaattcg gcacgagaaa aaagaaaaga aaagaaaaga aaaaaaaagg 60
tgctcaacat tactgatcat cagagaaatg caaatcaaaa ctccagtgag atatcatctc 120
cctttagtta aaatggcctta tatccaaaag gcagaaaata acaaatgcaa ggatgtggag 180
gaaagggaac ccttgtatata tggttggtgta catagtgggt gaaccactat ggagaacaat 240
ttggaagtct ctcaaaaaaa caaaaaatag agctaccata tgacccagca atcccactgt 300
tggttatata cccaaaagga aggaaatcag tatattgaag agatacctac actcccatgt 360
ttgttgcagc actgttcaca atagctaaga tttgaaggca acctaagtg ccatcaacag 420
atgaatggat acagaaaatg tggtagctat acacaatggg tactagtcag cctgggtgac 480
agagtgcagc tgtctcaaaa aaaaagaaac aaagaaagat aaataaagaa aaagacattg 540
atgaacagta ggtaatcacc tgaaggtaaa aaactcactc gtaatagtaa gtatgcaggg 600
aaaaaaagat ttttgtaaca ttgtaactat gtgtgtaatc tactcttata ctaagtagaa 660
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tggtcccttg cctgctactc acctctgct gtgtggccca gtttctaaca ggccacagac 780
tggtactggg ttgcggcctg ggggttgggg accctgggt tatcagatag aattgcaagc 840
ctcatggtaa cctcaaacca aaaaacattc aatgaatata caacaaataa aaagcaagaa 900
agtaaattat atcaccagag, aaaatcagct tcacttaagg aagacaggaa ggaaagaagg 960
aaggaagaga agaccacaaa acaaccagaa aacaagtaac aatatggcag gaataagtct 1020
ttattttatta gtaataacaa tggactaaac tctccaatca aaagatggag tggctaaata 1080
gataaaaaaa aacaagaccc attgattygy mgcctacaag aactacattt cacctataaa 1140
gacacmcata gactgaaaat aaaggggtat aaaagatact ccatgccaac agaaaccaa 1200
aaagagcagg agttgctata cttacatcag acaaaacaga ttttaagaca aaaatctata 1260
agaagagaca aagaaggtca ctatataatg ataaggggtc aatgcagcag aggattayaa 1320
tttaattttat gaccacatga gactgattta ngaatatata gagtagaagg taagtatcat 1380

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1243

atctggatna tccatgagat gcaattcgcg aatacaagac tngnttttgt gctagata 1438

<210> 1969

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<400> 1969

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agctcgtgct aaacctcttt tctttataaa ttaccacagtg atgtgggttg gctgtgtccc 60
cacccaaatc tcatcttgaa ttccctacgtg ttgtggggagg gaccacagtgg taggtaattg 120
aatcatggcg gcaggtcttt cccttgctat tctcgtgatc atgaataagt ctcatgagat 180
ctgatgattt taaatactgg agtttcccct gcacaagctc tctctttgcc tgctgccagc 240
catgtaagac atgacttgct cctycttgcc ttccatcatg attgtgaggc cttcccagcc 300
acgtggaact gtaagtccat taaacctctt tttttttata aatggccaag tctcaaatat 360
gnctttatca acagcgtgaa atggactagt accgtaaatt ggtaccaata gaatggggca 420
ctgcttaaaa gatcccgaaa atgtgaaagc gactttggaa ctgggtaata ngcaaaaggt 480
tgcantgaac ttaaaatcat tgccactgna cttcaacctg ggc 523

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<210> 1970

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

1244

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (774)

<223> n equals a,t,g, or c

<400> 1970

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nnnnaytagt tttgcanagc tatttaggtg acactataga aggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cggaaggctc cagaggctgt gggagcagc 120
acatcagcga cagctcctgg ctgctggact ccgcaggag ggaaggaaga ttggtcgcaa 180
tgtcccagca gaagtgcac gtgatctttg ccctgggtgtg ctgctttgcc attctggttg 240
cactgatctt ttcagccgtg gacatcatgg gagaggatga ggatggactc tcagaaaaaa 300
attgccaaaa taaatgtcga attgccctgg tggaaaatat tcctgaaggc cttaactatt 360
cagaaaatgc accatttcac ttatcacttt tccaaggctg gatgaattta ctcaacatgg 420
ccaaaaagtc tgttgacata gtgtcttccc attgggatct caaccacact catccatcag 480
catgtcaggg tcaacgtctt ttgaaaagt tgctccagct gacttcgcaa aatattgaaa 540
tcaagctagt gagtgatgta acagctgatt caaagggtatt agaagccttg aaattaaagg 600
gagccgaggt gacgtacatg aacatgaccg cttacaacaa gggccggctg cagtcctcct 660
tctggatcgt ggacaaacag cacgtgtata tcggcagtg cggtttggac tggcaatccc 720
tgggacaggt acatatactt ctatatagct gtaaatagat gatatggttt gtgnt 775

```

<210> 1971

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

1245

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 1971

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gaacaagctg ttactaatgt actggagttt ctgtgcaaac tgtctaccat aaaccatgaa 60
aggattcaaa gttcatagtt ccttctttgt tcctttgtta atnactgact tcnnactagt 120
gggaggtgcc tcccaagttt gctaatacat tctttttgga taaggatgac gcacagattg 180
tcctaataag gacttagatt gagaaagacc gccccctctg agaagagggg acaagtcaga 240
gagagggcgg gcagtttctt ttttaactag ggatgacaca agcataagtc atttccttat 300
taattggttc aaaccagttc ttacaggaac tagtggtgat aaatgtggga cttctgagaa 360
gtcattcatt ttattctttg tgccatacca gagtacagta tcagctgagc tgaccttact 420
ctgaggacta actcttttgc tgggaagcgg ttctgattta cagctcttgg tttctcccag 480
acatgttggg gggagagatt ttggttttta aggggttgtt agatggagta aattttcttt 540
tttttttttt ttttttttaa ctaaaaaggg gtcacagaat ttcagcagtt ctctgatttt 600
tatattttat tcctcttctt atccaatccc tgccctttga gtccaggtgg taagtacatt 660
ttctttaacg ttttctctgc ttttcttccc aaatgtgtct ttttctttgg gctactgtac 720
cctgcttcca gtgctgtccc cggcataggt ccatctctgc agaagccatt tcaggagtac 780
ctggaggttc aacggcagaa gcttcaccac aaaagcgaaa tgggcacacc acagggagaa 840
aactggttgt cctggatggt tgaaaagttg gtcgttgtca tgggtgtgta cttcatccta 900
tctatcatta actccatggc acaaagttat gccaaacgaa tccagcagcg gttgaactca 960
gaggagaaaa ctaataaagt agagaaagtt ttaaaactgca gaaattggag tggatgggtt 1020
ctgccttaaa ttgggaggac tccaagccgg gaaggaaaat tcccttttcc aacctgtatc 1080
aatttttaca acttttttcc tgaaaagcagt ttagtccata ctttgcactg acat 1134
```

<210> 1972

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

1246

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 1972

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gcggnttcgt gggctgctct gcaactctcag gtattccctg ctcttactcc aaaaagatgg 60
accaggtcc gaaggggcac tgccactgtg gggggcatgg ccatacctcca ggtcactgcg 120
ggccaccccc tggccatggc ccagggccct gcggggccacc cccccaccat ggtccagggc 180
cctgcggggc accccctggc catggcccag ggccctgcgg gccaccccc caccatggtc 240
cagggccctg cgggcctccc cctggccatg gcccaggtca cccaccccc ggtccacatc 300
actgaggaag tagaagaaaa caggacacaa gatggcaagc ctgagagaat tgcccagctg 360
acctggaatg aggcctaaac cacaatcttc tcttcctaataaacagcctc ytanaggcca 420
cattctattc tttaaaaaaa aaaaaanaa n 451

```

<210> 1973

<211> 1385

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1385)

<223> n equals a,t,g, or c

<400> 1973

```

aagagaaaga tgtcactgtc tctaattctcc ctgtcatttt tatttccagc aggcgcgggg 60
cgaaggagct gctagaacaa tgctgaggcg ggtgaggtga ggagcagccc ctgcgggcag 120
ccccacaga gtgtctggaa cagggtgattg gaggagccgg agaccaggc acctgggcat 180
ccttccccct gcctctgcca ggccccgcgc ccctaaaagg tgggaaaacc atggcgacca 240

```

1247

```

atttcagtga catcgtcaag caaggctacg tgaagatgaa gagcaggaag ctcgggatct 300
accggagggtg ctggctgggtg ttccggaaat cctccagcaa ggggccccag cggctggaga 360
agtatccaga tgagaagtcg gtgtgcctcc ggggctgccc caaggtgact gagatcagca 420
acgtcaagtg tgttacgcgg ctccccaagg agaccaagcg gcaggcgggtg gccatcatat 480
tactgatga ctcggcacgt accttcacct gcgactcaga gctagaggca gaggagtgggt 540
acaagacact atctgtggag tgtctgggggt ccgcctcaa cgacatcagt ctgggagaac 600
ctgacctcct ggccccaggg gtgcagtgtg aacagacaga tcgcttcaat gtcttctctgc 660
tgccctgccc caacctggac gtgtatggcg agtgcaagct gcagatcacc cacgagaaca 720
tctacctctg ggacatccac aacccccgtg tgaagctcgt ctcgtggscc ctctgctyam 780
tgcgccgcta tggccgggat gccacacgct ttaccttcga ggctggccgg atgtgtgatg 840
ctggggaagg actctatacc ttccagacac aagaggggga gcagatttac cagcgcgtcc 900
acagtgccac cctggccatc gcagagcagc acaagcgggt cctgctggaa atggagaaga 960
cgtgaggctg ctgaacaagg gcacggaaca ttactcgtat ccctgcacac ccacgaccat 1020
gctgcsgcgc agtgectact ggcaccacat cactggttcc cagaacatcg ccgaagcctc 1080
cagctatgct ggtgagtcgc ttccatgccc cacaccacc tgccaggagg ctttgtggag 1140
gatgaggcct gttgggcagg ggtcttttga cctagctctg agttctgagc ctgcttctgt 1200
gccacaggt gacgggtatg gggcaagccc agggcagctc ggaaacagac ctctcaacag 1260
attcatcctg ctaaagccaa agcccagcca gggggacaag cantgangcc aagaccccat 1320
cccagtgaca cagtgtggc gagcacgcat gactggtggn ggctgctgct tgcgggctgg 1380
cntcn 1385

```

<210> 1974

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 1974

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tacgccncca ggccccggtc cggaattccc gggctcgacc acgcgtccgc ttttaaccaga 60
cagctcagac ctgtatggag gctgccagtg acaggttagg tttagggcag agaagaagca 120
agaccatggt ggggaagatg tggcctgtgt tgtggacact ctgtgcagtc agggtgaccg 180
tcgatgccat ctctgtggaa actccgcagg acgttcttcg ggcttcgcag ggaaagagtg 240
tcacctgcc ctgcacctac cacacttcca cctccagtcg agagggactt attcaatggg 300
ataagtcct cctcactcat acggaaaggg tggctcatctg gccgttttca aacaaaaact 360
acatccatgg tgagctttat aagaatcgcg tcagcatatc caacaatgct gagcagtccg 420
atgcctcatc accattgatc agctgaccat ggctgacaac ggcacctacg agtgttctgt 480
ctcgctgatg tcagacctgg agggcaacac caagtcacgt gtccgcctgt tggctcctgt 540
gccacctcc aaaccagaat gcggcatcga gggagagacc ataattggga acaacatcca 600
gctgacctgc caatcaaagg agggctcacc aacccctcca gtacagctgg aaagargtta 660
caacatcctg aatcargagc agcccctggc ccasccacct caggttcaac ctgttctccc 720
ttaaaaaata tctcccacag aacacatc 748

```

<210> 1975

<211> 771

<212> DNA

<213> Homo sapiens

1248

<400> 1975

```

ggccacgagg tacgtcccgg cgctccgctt ggcccaagat ggccggcctcc gtgtgcagcg 60
ggttgctggg gccacgggtg ctgtcctgga gccgagagct gccttgcgct tggcgcgccc 120
tgcacacctc cccggtctgc gccaagaacc gggcggcccg agtacgcgta agcaaggggg 180
acaagccggg gacctacgag gaggcacacg cgccgcacta catcgcccac cgtaaaggct 240
ggctgtcgct gcacacaggt aacctggatg gagaggacca tgccgcagag cgaacgggtg 300
aggatgtttt ccttcgcaag ttcattgtgg gtaccttccc aggctgcctg gctgaccagc 360
tggtttttaa gcgcgggggt aaccagttag agatctgtgc cgtgggtcctg aggcagttgt 420
ctccacacaa gtactacttc ctctgtgggt acagtgaaac ttgtctgtcc tacttttaca 480
aatgtcctgt gcgactccac ctccaaactg tgccctcaaa ggttggtgtat aagtacctct 540
agaacaatcc ctttttttcc atcaagctgt agcctgcaga gaatggaaac gtgggaaagg 600
aatggtatgt gggggaaatg catccctca gaggactgag gcatagtctc tcatctgcta 660
ttgaataaag accttctatc ttgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg g 771

```

<210> 1976

<211> 1712

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1692)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1697)

<223> n equals a,t,g, or c

<400> 1976

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ccgcgcgttg gccgattcat taatcagctg gcacgacagg tttcccgaact ggaaagcggg 60
cagtgcgcgc aacgcaatta atgtgagtta gctcactcat taggcacccc aggctttaca 120
ctttatgctt ccggctcgta tgttggtgtg aattgtgagc ggataacaat ttcacacagg 180
aaacagctat gaccatgatt acgccaagct ctaatacgac tcaactatagg gaaagctggg 240
acgcctgcag gtaccgggtcc ggaattcccg ggtcgaccca cgcgtccggg ccctaggaga 300
taagagtatc ttgcacagca ggtgcagggt tcccagcagc tcaggcaaga gtccgatgtt 360
tgtgccatct gatcctgatg tctggagaga tagccatgtg tgagcctgaa tttggcaatg 420
acaaggccag ggagccgagc gtgggtggca ggtggcgagt gtcctggtag gaacggtttg 480
tgcagccatg tctggtcgaa ctgctggggt ctgctctctt catcttcatc ggggtgcctgt 540
cgggtcattga gaatgggacg gacactgggc tgctgcagcc ggccctggcc cacgggctgg 600
ctttgggggt cgtgattgcc acgctgggga atatcagtgg tggacacttc aacctgcgg 660
tgtccctggc agccatgctg atcggaggcc tcaacctggg gatgctcctc ccgtactggg 720
tctcacagct gctcgggggg atgctcgggg ctgccttggc caaggcggtg agtcctgagg 780
agaggttctg gaatgcatct ggggcggcct ttgtgacagt ccaggagcag gggcaggtgg 840
caggggctgt ggtggcagag atcatcctga cgacgctgct ggccctggct gtatgcatgg 900

```

1249

```

gtgccatcaa tgagaagaca aagggccctc tggcccccgtt ctccatcggc tttgccgtca 960
ccgtggatat cctggctggg ggcctgtgt ctggaggctg catgaatccc gcccgctgtt 1020
ttggacctgc ggtggtggcc aaccactgga acttccactg gatctactgg ctggggccac 1080
tcctggctgg cctgcttggt ggactgctca ttaggtgctt cattggagat gggagagacc 1140
gcctcatcct gaaggctcag tgaagcagag ctgctgggat tcctgctgct ccagggtgtcc 1200
tcagctcacc tgtcccagac tgaggacagg ggagttcctg catttcctgc cagggcagag 1260
gcccagagga gcgacccctt gcttccactg cttgggcctg ctttctcaga tagactgact 1320
gctgaggagg ctctaggttc ttggaattcc tttgtgctca tcagagaccc cagcctgggg 1380
aacacgctgc ccgactgccc cagagagcag tgcaaacacc acaacacgag cgtgtttctt 1440
gagaggaatg tccccgagtt ggacaaggag gctgtttctg cacatcagct catttcccgc 1500
accccatttc ttktcttgatt gctttgttgg gggcctggcc acttccttgc ttctcaagct 1560
gacaattctg cactttgcaa taaatagtcc agtgtttctt tccaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaaaang gnggccnttt taaaggatcc aa 1712

```

<210> 1977

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<400> 1977

```

atggtgtgac tcggccgacg cgagcgccgc gcttcgcttc agctgctagc tggcccaagg 60
gaggcgaccg cggagggtgg cgagggggcg ccaggaccgc cagccccggg gccggggccg 120
tccggaccgc caggggagggc aggtcagtg gcagatcgcg tccgcgggat tcaatctctg 180
cccgtcttga taacagtcct ttcccttggc gctcacttcg tgcttggcac ccggctgggc 240
gcctcaagac cgttgtctct tcgatcgctt ctttggactt ggcgaccatt tcagagatgt 300
cttccagaag taccaaagat ttaattaaaa gtaagtgggg atcgaagcct agtaactcca 360
aatccgaaac tacattagaa aaattaaagg gagaaattgc acacttaaag acatcagtgg 420
atgaaatcac aagtgggaaa ggaaagctga ctgataaaga gagacagaga tttttngaga 480
aaattcgagt ccttgagg 498

```

<210> 1978

<211> 4485

<212> DNA

<213> Homo sapiens

<400> 1978

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gtaacttctc gggaagatga ggcagtttgg catctgtggc cgagttgctg ttgccgggtg 60
atagttggag cggagactta gcataatggc agaacctgtt tctccactga agcactttgt 120
gctggctaag aaggcgatta ctgcaatctt tgaccagtta ctggagtttg ttactgaagg 180
atcacatttt gttgaagcaa catataagaa tccggaactt gatcgaatag ccaactgaaga 240
tgatctggta gaaatgcaag gatataaaga caagctttcc atcattgggtg aggtgctatc 300
tcggagacac atgaaggtgg ctttttttgg caggacaagc agtgggaaga gctctgttat 360
caatgcaatg ttgtgggata aagtttctcc tagtgggatt ggccatataa ccaattgctt 420
cctaagtgtt gaaggaactg atggagataa agcctatctt atgacagaag gatcagatga 480
aaaaagaggt gtgaagacag ttaatcaact ggcccatgcc cttcacatgg acaagatatt 540

```

1250

```

gaaagctggc tgtcttgtac gtgtgttttg ccaaaagcaa aatgtgccct cttgagagat 600
gacctggtgt tagtagacag tccaggcaca gatgtcacta cagagctgga tagctggatt 660
gataagtttt gcctagatgc tgatgtcttt gttttggtcg caaactctga atcaacacta 720
atgaatacgg aaaaacactt ttttcacaag gtgaatgagc ggctttccaa gcctaataat 780
ttcattctca ataatcgttg ggatgcctct gcatcagagc cagaatatat ggaagacgta 840
cgcagacagc acatggaaag atgcctgcat ttcttggtgg aggagctcaa agttgtaaat 900
gctttagaag cacrgaatcg tatcttcttt gtttcagcaa aggaagtctt tagtgctaga 960
aagcaaaaag cacaggggat gccagaaagt ggtgtggcac ttgctgaagg atttcatgca 1020
agattacagg aatttcagaa ttttgaacaa atctttgagg taggaatttt gtgattgtat 1080
tgcctaatac aaaactcttt ctttggttgg agaaagcata atcttctatt tttatccttt 1140
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attgctgtgt tgtgcaatga atgaaattcc ctgtattcaa taatttggaa caagagtaaa 1380
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aatgaataat tgagtagaaa agagcttcag cgttttcaga aacttctagg aaactattga 1620
agtgcctgag tggtagatgg ggagggaggc tagtttctta tgttgcatg taagtgtttt 1680
tattcagaga cattaaaact caccctacat ttgactgaat agttcttttag atattaacct 1740
tctgaacccc tattttgccc tgtataattc atatcacctt cccacttagg aatgaacaca 1800
gtgacttcag cattgaagaa acctcagtct gtaattatct ttataagtag taactgcttt 1860
aatgtaaagg ggacatgaat gttgagtata cttggcagga tttttaaaat aaaaaatgtg 1920
cttactatct ctcatcttta atttggtgag agaaaaaagg ttattagaca gatgaagaca 1980
aactggaaga aagcaaatcc actgccagct atctcgataa gatctaattg ttcagaggct 2040
actggattat cagtagatgt cctctcaagc caagctatag gatacgtgaa gtccccgtta 2100
ctcaaagact attgtttgtt ttttttcttt tccttttgtt ttcaccaaag ggttgatgct 2160
ctcctcacct cttttttctc ttaaagaaat gggatctccc tctgttatcc aggctggagt 2220
gcagttgggc aatcatagcg cattgcagcc tcgaactcct gggctcaaat ggtcctccca 2280
cctcagcctc ctctcctcac tgttatcagt tatttcatcc atggggaaaa tatgtaggga 2340
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tatctcgttg aggaggtggg aatgagaaga ataagatatg ctgtagggaa ttggttcata 2580
agcctagctg atcatcagaa tcacatgacg tgcttttagag aaccacaggc tcctgacctt 2640
tcctatcccc aaccccgat ccagggggtt ggggttggtc taggaatcta tatacatata 2700
tattcaaagt tccccagtg attgcaataa tcagacagac ttaggaacta ttctttttta 2760
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gttaaaaaatt atttgaattt ttccaaacaa tcagctgggc aaaaaatatt atgtctgaat 3000
gtattaaaaa gagacaaaac attttttgtt aattaattac attgaaagtt ttagtcagct 3060
ttattccaaa actggtatit gttacttctt aagtcagttt tggtaatttc tgatttctta 3120
gaaattggtg tatttctgaa catttataat ttagtagcat aaaattgttt gttttgaatc 3180
tcttgtttct cacttctata tttaaatata aatatatatc tacatataca tacacacaca 3240
gacccttaat gggtttgcca atgatttatc atccaaagac acagccccag ctcttatgta 3300
atztatcact taataaatat catttttggg gtttcattca ctaagtctt tttttttttt 3360
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cctcagcttc cctagtagct gggactacag gggcacacca ctacatccgg ctaattttttg 3540
tatttttagt agagacgggg ttacacagtg ttggccagga tggctctgat ctctgacct 3600

```

1251

```

catgatccac ccgccttggc ctcccaaagt gctgggacta caggcgtgag ccaccgtgcc 3660
tggcctgtgt tcgtctttaa cattgtttac gttgaagatg cattgggttt tgcttattct 3720
taaagaaaag attcaggatt gtgaatttgt gactgcagct ttaggcgtat cccaaggttt 3780
tcagtactag tttagttttt gttgtttttg tttctaatta tccttttggc atttccttat 3840
caatataaga ctttttaaaa ttcaagtgtt ttgattcatt ttatccaatt tttggttact 3900
aatttccttg tttctttgtg ttgtggtcac atcatgtggc ttttacacac attttctctg 3960
ttttggggat ttgctacttt tttttgtagt cgtgcaagat tttttgtgaa aagaaaaact 4020
gtatcaagtt catcaccttt atcaatttga cctgtgccgt gaacttcttt agattcattt 4080
gattcaaagtg gatctaagta ttttaaacad ttagaatact aatttaagca aggcctgaaa 4140
attaaatgga gtaaaagcaa taaaaaaaat caatattagc ctgggcattg gtggctcatg 4200
ccagtaatgc cagtactttg ggatgccaaa gcaggaagat ctcttgagct taggagattg 4260
agatcagggt gggcaaaaac atgaaaagac taaatcacat ctctagcagg aaaaaaaaaa 4320
aatccagata tgatagetca tgactatagt cacagctacc ccagaggctg aggtggaagg 4380
ccaagaagtt tgaggctgtg gtgatggtga gctatggagg taccactgtg ctccaacctg 4440
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<210> 1979

<211> 2486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2465)

<223> n equals a,t,g, or c

1252

<220>

<221> misc feature

<222> (2470)

<223> n equals a,t,g, or c

<400> 1979

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ngnacgttna ttttccaagg ncccaactata gaaggtaacgc ctgcagggtac cgggtccggaa 60
ttccccggtcg acccacgcgt ccgcggacgc gtggggcggac gcgtgggcgc agccccggag 120
cccggggccag ggtccacctg tccccgcagc gccggctcgc gccctcctgc cgcagccacc 180
gagccgccgt ctagegcccc gacctcgcca ccatgagagc cctgctggcg cgctgcttc 240
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cctgcctgcc ctggaactct gccactgtcc ttcagcaaac gtacatgcc cacagatctg 540
atgctcttca gctgggcctg gggaaacata attactgcag gaaccagac aaccggaggc 600
gacctggtg ctatgtgcag gtgggcctaa agccgcttgt ccaagagtgc atggtgcatg 660
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gaggcagcct catcagccct tgctgggtga tcagcgccac aactgcttc attgattacc 900
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agcatcccg actatacaga ccatctgcct gccctcgatg tataacgatc ccagtttgg 1140
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cctctgaggg tccccaggga ggaaacgggc accaccgct ttcttgctgg ttgtcatttt 1560
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gcccattggt gagaaatgaa taatttccca attaggaagt gtaacagctg aggtctcttg 1920
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tctgcagcat gacctgtgac cagcactgtc tcagtttcac tttcacatag atgtcccttt 2280
cttggccagt tatcccttcc ttttagccta gttcatccaa tcctcactgg gtggggtgag 2340
gaccactcct tacactgaat atttatattt cactattttt atttatattt ttgtaatttt 2400
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```

<210> 1980

<211> 915

1253

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (825)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (845)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (848)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (855)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (886)
<223> n equals a,t,g, or c

<400> 1980
ggagcgcaac gcaattaatg tgagttagct cactcattag gcaccccagg ctttacactt 60
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cagctatgac catgattacg ccaagctcga aattaaccct cactaaaggg ancaaaagct 180
ggagctccac cgcggtggcg gccgctctag aactagtgga tcccccgkkc tgcaggaatt 240
cggcacgaga ggacataaca gaagcaatag agactaccat tagtcttgaa acagcacgtg 300
cagaccatcc gaagcctgta actgtgaaac cagtaacaac ggaacctcag agtccagatc 360
tgaacgatgc cgtgtccagt ttgcgaagtc ctattccctt cctcctgtcg tgtgcctttg 420

1254

```

ttcaggtggg gatgtatttc atgtagaagg tggagaagg ctgctatgac tctttggatg 480
ggagtcctggc aagaggaaat tggagataa aataaataat aagtgaata aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaact cgagggggggg cccgggtaccc aattcgccct atagtgaagtc 600
gtattacaat tcaactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcggttac 660
ccaacttaat cgccttgcag cacatcccc tttcgccagc tggcgtaata gcgaagaggc 720
ccgnaccgat cgccttccaa cagttgcgca acctgaatgg cgaatggcaa attgtaaagc 780
gttaatatatt tggtaaaatt cgcggtaaat tttggtaaat caagntcatt ttttaaccaa 840
taggnccnaa tcggnaaaat cccttataaa tcaaaaggaa tttganccgg gaatagggtt 900
gaatggttgt tccaa 915

```

<210> 1981

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 1981

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ggaaaatctt ctgacactat ntaaggnacg cctgcnggta ccgggtccgga attccccgggt 60
cgacccacgc gtccgggggaa gctcgtggcg ctgggtcctgc tggggggtcgg cctgtcctta 120
gtcgggggaga tgttcctggc gttagagaa aggggtgaatg cctctcgaga agtggagcca 180
gtagaacctg aaaactgcc aattattgag gaacttgaaa gtggctctga agatattgat 240
atacttccca gtgggctggc ttttatctcc agtggattaa aatatccagg catgccaaac 300
tttgcgccag atgaaccagg aaaaatcttc ttgatggatc tgaatgaaca aaacccaagg 360
gcacaagcgc tagaaatcag tgggtggattt gacaaagaat tatttaatcc acatgggatc 420
agtattttca tcgacaaaaga caatactgtg tatctttatg ttgtgaatca tccccacatg 480
aagtccactg tggagatatt taaatttgag gaacaacaac gttctctggg atacctgaaa 540
actataaaac atgaacttct caaaagtgtg aatgacattg tggttcttgg accagaacag 600
ttctatgcc aagagacca ctattttacc aactccctcc tgtcattttt tgagatgatc 660
ttggatcttc gctggactta tgttcttttc tacagcccaa gggagggttaa agtgggtggcc 720
aaaggatttt gtagtgccaa tgggatcaca gtctcagcag accagaagta tgtctatgta 780
gctgatgtag cagctaagaa cattcacata atggaaaaaac atgataactg ggatttaact 840
caactgaagg tgatacagtt gggcacctta gtggataacc tgactgtcga tctgccaca 900
ggagacattt tggcaggatg ccatccta at cctatgaagc tactgaacta taaccctgag 960
gaccctccag gatcagaagt acttcgcac cagaatgttt tgtctgagaa gcccgagggtg 1020
agcaccgtgt atgccaaaca tggctctgtg cttcagggca cctctgtggc ttctgtgtac 1080
catgggaaaa ttctcatagg caccgtattt cacaaaactc tgtactgtga gctctagact 1140
ctagatagta aaaaaaaaaa aaaaaagtct acatatattt taaaagtaaa ctgataattg 1200

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1255

tatgataagt ggcactgtaa gtaaataagca aacaccaacc agtgagtgtg gcttttctta 1260
tggatagaag taaaggagca gacagagatt ccttgatagc catcaaattg caagtcaggt 1320
taatgacagt ccaacaagaa gccaaacttt acggatcttt gttagcagcc ccaatgttct 1380
ttctacaata aaacatgtgg actatgtcca gtgaggtctc cgactca 1427

<210> 1982

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (699)

<223> n equals a,t,g, or c

<400> 1982

tgctgatgca ggccatctcc ctcttctccn cagaccgtcc aggtgtgctg cagcaccgcg 60
tgggtggacca gctgcaggag caattcgcca ttactctgaa gtccctacatt gaatgcaatc 120
ggccccagcc tgctcatagg ttcttggtcc tgaagatcat ggctatgctc accgagctcc 180
gcagcatcaa tgctcagcac acccageggc tgctgcgcac ccaggacata cacccttttg 240
ctacgccct catgcaggag ttgttcggca tcacaggtag ctgagcggct gcccttgggt 300

1256

gacacctccg agagggcagcc agacccagag cccctctgagc cgccactccc gggccaagac 360
agatggacac tgccaagagc cgacaatgcc ctgctggcct gtctccctag ggaattcctg 420
ctatgacagc tggctagcat tcctcaggaa ggacatgggt gccccccacc cccagttcag 480
tctgtaggga gtgaarccac agactcttac stggagagtg cactgacctg taggtcagga 540
ccatcagaga ggcaagggtg ncctttcttt taaaaggccc tgtggtcntg gggagaaatn 600
cctcagatcc cactaaaagt gtcaangtgt tgaaagggac caaagccgac caaaggatag 660
ggcattcctg ggggtctaata gncccaacaa taccacant tttgggttcg g 711

<210> 1983

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<400> 1983

aaaasgtmac gcctgacagg tmacccggatc cggggaattcc cgggtcgacc cacggcgtcc 60
gcatttgcaa taacagaaaa ggaattgcat gtatgaagtt ttcaatcgtg ggctttttctt 120
tgttgtgggg aggggggtcgg gggatagttt gattttccatt ttctgaaaac gacagacttg 180
gattctgttt gtgtgtgcat attttatcca gccttaagtt ataaaagctca tctgtcccg 240
tgcatccct gtgtattttc aggacatggc tcgtgggtgt gtgtgttcat tgtgtgcgtc 300
tgtatgtatt ttctgtcat cactgttccc tctcctccc agtgtgcatt cagttaatat 360
aatcagttgc ttgntcttt caaagtgtt tgaaagtctg aactcatgtg tgagcatttt 420
atcaactatc ccaattgcag ttctccatca caaatctcct attggccngt acccctgaga 480
atagtttaga gaatggaata agcngtctgg aagatagcta gcg 523

<210> 1984

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1257

<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<400> 1984
atctactagg agtcagggtg taagcctaga gaggatgaaa gaaggggagg ggatggggag 60
tggtagaac ctaggatttg aattcccagc ctggccaacc cttgcagcca tgtcttggcc 120
tcaagtggaa caagggtctc ttgaggccag cagggttggg ggagttgggg tgggcctgag 180
cctctttcct gctagagctc ttggtcctcc ctgcctccac caccatccc tgctctgcag 240
aaccctggg tgctgagtgg caggagcccc agggttgtcc catctgggta tggctggctg 300
ggtcactaac ttctgtgatc tgcttccttc ctttccagat tatgcggatc aaacctcacc 360
aaggccagca cataggagag atgagcttcc tacagcacia caaatgtgaa tgcagancaa 420
agnaagatag agcaagacaa gaaaatccct gtgggccttn ctca 464

<210> 1985
<211> 1233
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)

1258

<223> n equals a,t,g, or c

<400> 1985

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atggaaaaaac gccagcaacg cggccttttt acgggttcctg gccttttgnt ggccttttgc 60
tcacatgttc tntcctgcgt tatccctga ttntgtggat aaccgtatta ccgcctttga 120
gtgagctgat accgntcgcc gcagccgaac gaccgagcgc agngagtcag tgagcgagga 180
agcgggaagag cgcccaatac gcaaaccgcc tctccccgc gcgttgccg atttcattaa 240
tgcagctggc acgacagggt tcccgaactg aaagcgggca gtgagcgcaa cgcaattaat 300
gtgagtttagc tcactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtagt 360
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 420
gccaagctcg aaattaaccc tactaaagg gaacaaaagc tggagctcca ccgcgggtggc 480
ggcgcgtcta gaactagtgg atcccccggt ctgcaggaat tcggcacgag catggttgtt 540
gcaaaacttt cttctatttc ttctctctct ggtattctca ttactctgtt tcaccttgtg 600
tagttgtccc acagtcttgg atatcatctt ctgttctttt cagtgtttct tttctttagt 660
tttcgaagtt tctgatgata aatcctcaag ctgagagatt ctttactcag ctgagtcagg 720
tctactaata agccatcaga ggtattcttc agttatttaa cacatTTTT accactacat 780
tatgttgaag tttcttacga tgtctgtctt tctgattaca ttacccatct acacttgaat 840
gctgtctact tcattcatta gacccttagc atattctcca gaggtttaaa aaaatttcca 900
aaatcataac tttgtctgct tctgaagctt gctctgttga cacaattgt atttttttct 960
ttttttggat tttagtatgc cttgcaattt tttcccttta ttctcatgca tgaagcacc 1020
cactaaargt gactgytggt agtatagctt tartaatgcg gtgatgargt gacagggcag 1080
gtgatgctct cttagtctct ttargctact ataacaaaat acttttagact gagccsaata 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaac tcgagggggg 1200
gcccgaacca attcgcccta ctacgtgcgt cga 1233

```

<210> 1986

<211> 1583

<212> DNA

<213> Homo sapiens

<400> 1986

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ctgctggctc acctccgagc cactctgct gcgcaccgca gcctcggacc tacagcccag 60
gatacttttg gacttgccgg cgctcagaaa cgcgcccaga cggccccctc accttttgtt 120
tgcctagggt cgccgagagc gcccggaggg aaccgcctgg ccttcgggga ccaccaattt 180
tgtctggaac caccctcccg gcgtatccta ctccctgtgc cgcgaggcca tcgcttcaact 240
ggaggggtcg atttgtgtgt agtttgggtga caagatttgc attcacctgg cccaaaccct 300
ttttgtctct ttgggtgacc ggaaaactcc acctcaagtt ttcttttgtg gggctgcccc 360
ccaagtgtcg tttgttttac ttaggggtct cccgcccggc gccccagtg ttttctgagg 420
gcggaaatgg ccaattcggg cctgcagttg ctgggcttct ccatggccct gctgggctgg 480
gtgggtcttg tggcctgcac cgccatcccg cagtggcaga tgagctccta tgcgggtgac 540
aacatcatca cggcccaggc catgtacaag gggctgtgga tggactgctg cacgcagagc 600
acggggatga tgagctgcaa aatgtacgac tcggtgctcg ccctgtccgc ggccttgacg 660
gccactcgag ccctaattgg ggtctccctg gtgctgggct tcctggccat gtttgtggcc 720
acgatgggca tgaagtgcac gcgctgtggg ggagacgaca aagtgaagaa ggcccgata 780
gccatgggtg gaggcataat ttcatcgtg gcaggtcttg ccgccttggg agcttgtctc 840
tggtatggcc atcagattgt cacagacttt tataaccctt tgatccctac caacattaag 900
tatgagtttg gccctgccat ctttattggc tgggcagggt ctgccctagt catcctggga 960
ggtgcaactg tctcctgttc ctgtcctggg aatgagagca aggctgggta ccgtgcaccc 1020
cgctcttacc ctaagtccaa ctcttccaag gagtatgtgt gacctgggat ctccctgccc 1080
cagcctgaca ggctatggga gtgtctagat gcctgaaagg gcctggggct gagctcagcc 1140
tgtgggcagg gtgccggaca aaggcctcct ggtcactctg tcctgcact ccatgtatag 1200

```

1259

```

tctctcttggg ttgggggtgg ggggggtgccg ttgggtgggag agacaaaaag agggagagtg 1260
tgctttttgt acagtaataa aaaataagta ttgggaagca ggcttttttc ccttcagggc 1320
ctctgctttc ctcccgcca gatccttgca gggagcttgg aaccttagtg cacctacttc 1380
agttcagaac acttagcacc cactgactc cactgacaat tgactaaaag atgcagggtgc 1440
tcgtatctcg acattcattc ccacccccct cttatttaaa tagctacca agtacttctt 1500
ttttaataaa aaaataaaga tttttattag gtaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaa                                     1583

```

```

<210> 1987
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<400> 1987
tgaaaaccat ccgtctgcc a cgtgggtgg cccccagccc ccaacctcca tctgcagga 60
gggtccgaag tgcttttct ctaaccagat tctgtcttct ctccagcagc ctgccccacc 120
aaggagatcc aggttaaaaa gtacaagtgt ggctcatca agccctgccc agccaactac 180
tttgcgttta aaatctgcag tggggccgcc aacgtcgtgg gccctactat gtgctttgaa 240
gaccgcatga tcatgagtc tgtgaaaaac aatgtgggca gaggcctaaa catcgccctg 300
gtgaatggaa ccacgggagc tgtgctggga cagaaggcat ttgacatgta ctctggagat 360
gttatgcacc tagtgaaatt ccttaaagaa attccggggg gtgcaactgg gctggtggcc 420
tcctacgacg atccagggac caaaatgaac gatgaaagca ggaaactctt ctctgacttg 480
gggagtttct acgcaaaaca actgggcttc gggacagtgg g                                     521

```

```

<210> 1988
<211> 346
<212> DNA
<213> Homo sapiens

```

```

<400> 1988
gcttgagtcc agatcttgta ctctctcat atttcttctg aaacatttaa aagtgtacat 60
tggttgtaaa atgtcaaaca ttacttactt catacttttt tcctccaatc tttatttcac 120
agttgttcag gggatgaagg aagctcagga aaggctgacg ggtgatgcct tcagaaagaa 180
acatcttgaa gatgaattgt aacatgaatg tgcccccttct ttcatcagar ttagtgttct 240
ggaaggaaa g cagcaggga agggaatatt gaggaatcmt ctagaacaat taagccgamc 300
aggaaactca tycctaccta cctggaaaaga mgtccccccc ccccc                                     346

```

```

<210> 1989
<211> 952
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (944)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (945)
<223> n equals a,t,g, or c

```

1260

<220>

<221> misc feature

<222> (947)

<223> n equals a,t,g, or c

<400> 1989

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ggcacgaggc cctcgcggcc tggccccgcc gcgcccggcg cgcccgcgcg ccgggggggat 60
gtcttacaaa ccgaacttgg ccgcgcacat gcccgcgcgc gccctcaacg ccgctgggag 120
tgtccactcg ccttccacca gcatggcaac gtcttcacag taccgccagc tgctcagtga 180
ctacggggcca ccgtccctag gctacacca gggaaactggg aacagccagg tgccccaaag 240
caaatacgcg gagctgctgg ccatcattga agagctgggg aaggagatca gaccacgta 300
cgcaggggagc aagagtgcc a tggagaggct gaagcgcggc atcattcacg ctagaggact 360
ggttcggggag tgcttggcag aaacggaacg gaatgccaga tcctagctgc cttggttggtt 420
ttgaaggatt tccatctttt tacaagatga gaagttacag ttcattctcc ctgttcagat 480
gaaacccttg ttttcaaaat gggttacagtt tcgtttttcc tcccatgggt cacttggtctc 540
tgaacctaca gtctcaaaga ttgagaaaag attttgcagt taattaggat ttgcatttta 600
agtagttagg aactgcccag gttttttttg ttttttaagc attgatttaa aagatgcacg 660
gaaagttatc ttacagcaaa ctgtagtgtt cctccaagac accattgtct ccctttaatc 720
ttctcttttg tatacatttg ttacccatgg tgttctttgt tccttttcat aagctaatac 780
cactgtaggg attttgtttt gaacgcata tgcacagcag ctttacttag tagccgggtc 840
ccatttgcca tacaatgtag gttctgctta atgtaacttc ttttttgctt aagcatttgc 900
atgactatta gtgcttcwwa gtcaattggg ccrkgeactt tttntnaga gg 952
```

<210> 1990

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1261

<222> (357)

<223> n equals a,t,g, or c

<400> 1990

```
atnanccctc actaaaggga acaaaagcng ggngctccac cgcggtgtcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagt attgggacag gtggctttgc 120
aaagggtcaaa cttgcctgcc atatccttac tggagagatg gtagctataa aaatcatgga 180
taaaaacaca ctagggagtg atttgccccg gatcaaaacg gagattgagg ccttgaagaa 240
cctgagacat cagcatatat gtcaactcta ccatgtgcta gagacagcca acaaaatatt 300
catggttctt gagtactgcc ctggaggaga gctgtttgac tatataattt cccaggntcg 360
cctgtcagaa gaggagaccc gggttgtctt ccgtcagata gtatctgctg ttgcttatgt 420
gcacagccag ggctatgctc acagggacct caagccagaa aatttgctgt ttgatgaata 480
tcataaatta aagctgattg actttggtct ctgtgcaaaa cccaagggtg acaaggatta 540
ccatctacag acatgctgtg ggagtctggc ttatgcagca cctgagttaa tacaaggcaa 600
atcata                                         606
```

<210> 1991

<211> 1097

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (905)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (916)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (940)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1031)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1056)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1080)

<223> n equals a,t,g, or c

1262

<400> 1991

```
tcgacccacg cgtccgggtgc agtacgagct gtgggccgcg ctgcctggcg cctccggggt 60
cgccctggcc tgctgcttcg tggcggcggc cgtggccctg cgctgggtccg ggcgccggac 120
ggcgggtggcg cgggtgggtccg ggcgcgacag aggcagcgag cgggcctgga gaacatggac 180
agggcgggcg accttccggc tccagaaccc agacctggac tcagaggcg tgctagccct 240
gcccctgcct cagctgggtgc agaagttaca cagtagagag ctggcccttg aggccgtgct 300
mttcacctat gtgggaaagg cctgggaagt gaacaaaggg accaactgtg tgacctccta 360
tctggctgac tgtgagactc agctgtctca ggcccaagg cagggcctgc tctatggcgt 420
ccctgtgagc ctcaaggagt gcttcaccta caagggccag gactccacgc tgggcttgag 480
cctgaatgaa ggggtgccgg cggagtgcga cagcgtagtgt gtgcatgtgc tgaagctgca 540
gggtgccgtg cccttcgtgc acaccaatgt tccacagtcc atgttcagct atgactgcag 600
taacccctc tttggccaga ccgtgaaccc atggaagtcc tccaaaagcc cagggggytc 660
ctcagggggt gaagggggccc tcatcgggtc tggaggytyc cccctgggyt taggcactga 720
tatcggaggc agcatccgyt tcccctcctc cttctgcggc atctgcggcc tcaagccac 780
aggaacccg mctcaatgcg tctctccgtg ggcccatgg cccgggacgt ggaaaagcct 840
ggcacttgtg cctgcgaacc ctgcttgtgc caaggacatg tttccgcttg gaccaatgt 900
gcctnccttg cccttnaaga agaggtctac accaagtttn aaccctgcg tgtgggttac 960
tatgagaatt gacaactata ccatgccttc ccggcatgaa gcggccctgc ttggaaacaa 1020
acagagctta ngttggggga cacctgcaag ctgcanttct aaaacataag ctgtcggtn 1080
aattggaatt gaacaat 1097
```

<210> 1992

<211> 903

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (745)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

1263

<400> 1992

```

ncnaaatttaa cccctcactaa aggggaacaaa agctggagct ccaccgcggt gncgtccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggcacctt cttcaagatg 120
gagctttttt aaggcatgcg agagagcacc aagatttcat ctctgttggc agaattggag 180
gcaattcaaaa gaaattcagc atcccaaaa agtgtcattg tctctcagtg gaccaacatg 240
ctgaaagttg tagcattgca cctgaagaag catggactga cttatgccac catcgatggc 300
tctgtcaatc ccaagcagag aatggacttg gtagaggcat ttaaccactc cagaggccct 360
caggtaatgc taatctctct cttggccgga gtgttggtct aaacctgact ggaggaaatc 420
acctctttct tttggacatg cactggaatc catcacttga agatcaagct tgtgaccgaa 480
tttaccgagt agggcagcag aaagatgttg tcatacacag rtttgtttgt gagggaaacag 540
tagaagaaaa gatcttacag ctccaagaaa aaaagraaga tttggccaaa caagttctat 600
cagggctctgg agaatctgtc accaagctca ccttggctga cctcagagtc ctttttggca 660
tctaacctcc tgtggataag ggctcagaat agcaccattg ctgtgatgtt gcacctgtaa 720
ccatcttttt atgggtggag caganagtca atccctgcag ccacctgca gccagccatc 780
tctgcagttc tctcagtgca ngcagttctt cctctcaggc tgaagatcaa ggagatgctt 840
tgtwcatgaa cagatgctga rtatctgtta tcattgtatt gtttartgtc agtgtatcat 900
tta
903

```

<210> 1993

<211> 2999

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2996)

<223> n equals a,t,g, or c

<400> 1993

```

ttttttttta ttttttggtt tagcatttaa taggcacata atcaacattt actgttcaat 60
tgaaacaaaa ttaaaattgg gcgctgtctc tatctttatt tgtgatcggc cctaactgca 120
ctggcaatct tttccgtttt tttgttttct gttttccatt cgcattcccc ttagcgtacc 180
tggggctccg gctcctttac aaatgaaacc caaagtgtct cgaagcacag ccagcgaaag 240
ganaaactct gaaacggaca agatggctgc cacctcttcg cgctctcttag tccccccac 300
tcagggcgga ggtctgcgtc atgtgacctt cccctctctg gctccgctcc taccgcagtg 360
cttgacggga ggcggacggg gaacgaggcc gtccggcattt tgtgtctgct tcctgtggga 420
cgtggtggta gccgttgggt tgggaaagtg agggattttt ggccctcggtt ctccctgttc 480
ttttctcttc ccttttactt tgccggtaga acacagttat gggctcgcaag aagaagaagc 540
agctgaagcc gtggtgctgg tattgtaata gagattttga tgatgagaag atccctattc 600
agcaccacaaa agcaaagcat tttaaatgcc atatatgtca caagaaattg tatacaggac 660
ctggcttagc tattcattgc atgcaggtag ataaagaaac aatagatgcc gtaccaaagt 720

```


1264

```

caatacctgg aagaacagac atagagttgg aaatatatgg tatggaaggt attccagaaa 780
aagacatgga tgaaagacga cgacttcttg aacagaaaac acaagaaagt caaaaaaaga 840
agcaacaaga tgattctgat gaatatgatg atgacgactc tgcagcctca acttcatttc 900
agccacagcc tgttcaacct cagcaagggt atattcctcc aatggcacag ccaggactgc 960
caccagtacc aggagcacca ggaatgcctc caggcatacc tccattaatg ccagggtgttc 1020
ctcctctgat gccaggaatg ccaccagtta tgccaggcat gccacctgga ttgcatcatc 1080
agagaaaata caccagtcga ttttgcggtg aaaacataat gatgccaatg ggtggaatga 1140
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ctgttccacg tcttggaatt cctccaatga ctcaagcaca ggctgtttca gcgccaggta 1260
ttcttaatag accacctgca ccaacagcaa ctgtacctgc cccacagcct ccagttacta 1320
agcctctttt cccagtgctt ggacaggctc aggcagctgt ccaaggacct gttggtacag 1380
atttcaaacc cttaaatagt acccctgcaa caactacaga acccccaaag cctacattcc 1440
ctgcttatac acagtctaca gcttcaacaa ctagtacaac aaatagtact gcagctaaac 1500
cagcggcttc aataacaagt aagcctgcta cacttacaac aactagtgc accagtaagt 1560
tgatccatcc agatgaggat atatccctgg aagagagaag ggcacagtta cctaagtatc 1620
aacgtaatct tctcgggcca ggacaggccc ccctcggtaa tccaccagtt ggaccaattg 1680
gaggatgat gccaccacag ccaggcatcc cacagcaaca aggaatgaga cccccaatgc 1740
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tccagtctaa taggtttgga gattaaacct tttctcaact tgtgctgttt atatagccaa 1980
gcttccgtca ataaggcttc attgtgactt taacaaacat tatcttccca cataccagga 2040
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cctgaagttg caatttatac tgtatggctt ctttttcatg tttcatctag gtttttagaa 2160
gtgaagtata gtaaatttgg ttcgttaaatt tgtgaaggcg ctggaattac atgaacatac 2220
caccctagta aaggcaagtt ctgtaagctt acattgctat ttgtaaagtt tgccttcaca 2280
gcatttcaga tgctgttgga cttcatgtcc ccaacctagc ttggtgaggg ctgtaactgt 2340
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ttaaacttca ttgtaataaa atgagagaaa aatttatgcc tttttattca taaccagct 2520
gtggaccact gcctgaaagg tttgtacaga tgcagccac agtagatgtc cacataataa 2580
aattcatagt taccaatgca gtttanatat atcattggat tctgtctttg agttgtagggt 2640
tatttcttag ctgcatgttt taaactgaat ttgcatagag ttgtatgtta atgtttcagt 2700
taagagaaaa acttaagata catgagtcac tacataatgg gtatgaaatc tttataatca 2760
cccttccacc ctctatgggtg tcagtacaca tcacgtgtca tagatactta aaatgtaaat 2820
gttaacactt ttccttccctg ctgagatgtt tagagcctag tgccagaccc attcatttcc 2880
ttttgattat ttttgagact cagtactagc ttcttgtgct gttaatgggt tattatata 2940
tattcclaagt gtaatgctga gaatctaaat gtgtctctgt tgggatgggt aacagntga 2999

```

<210> 1994

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1265

<222> (332)

<223> n equals a,t,g, or c

<400> 1994

```
gcacaccgcg ctyagcgcc tcaactgccat ccccgctgtc cttgccgccc ccgccaatggg 60
cctagagctg tttcttgacc tgggtgtcca gcccgccgc gccgtctaca tcttcgcca 120
gaagaatggc atcccccttag agctgcgcac cgtggatttg gtcaaagggtg ggcccagccc 180
gtttccccgc gtgtccacaa acccagtgc mccccaggcc cccgcctgct ctgccctgag 240
cgtctcgccg ccgcacagcc cctcacctcc tctgcagcg tctgccacca gagaatgctg 300
tggactgagt ggcttggagg gatcacagnc tntctgaa 338
```

<210> 1995

<211> 2346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2344)

<223> n equals a,t,g, or c

<400> 1995

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ggtgccgtct gcctcccagg tgcgcgcttc gctcccggag ccgcggaact cggcgggccgc 60
catggcgctc aacatggacc gggagatgat cctggcggat tttcaggcat gtactggcat 120
tgaaaacatt gacgaagcta ttacattgct tgaacaaaat aattgggact tagtggcagc 180
tatcaatggg gtaataccac aggaaaatgg cattctacaa agtgaatatg gaggtgagac 240
cataccagga cctgcattta atccagcaag tcatccagct tcagctccta ctccctcttc 300
ttcttcagcg tttcgacctg taatgccatc caggcagatt gtagaaaggc aacctcggat 360
gctggacttc agggttgaat acagagacag aaatgttgat gtggtacttg aagacacctg 420
tactgttggg gagattaaac agattctaga aaatgaactt cagataacctg tgtccaaaat 480
gctgttaaaa ggctggaaga cgggagatgt ggaagacagt acggtcctaa aatctctaca 540
cttgccaaaa aacaacagtc tttatgtcct tacaccagat ttgccaccac cttcatcatc 600
tagtcatgct ggtgccctgc aggagtcatt aaatcaaaac ttcatgctga tcatcaccca 660
ccgagaagtc cagcgggagt acaacctgaa cttctcagga agcagtacta ttcaagagggt 720
aaagagaaat gtgtatgacc ttacaagtat ccccgttcgc caccaattat gggaggggctg 780
gccaacttct gctacagacg actcaatgtg tcttgctgaa tcagggtctt cttatccctg 840
ccatcgactt acagtgggaa gaagatcttc acctgcacag acccggggaa agtcgggaaga 900
acaaatcacc gatgttcata tggttagtga tagcgatgga gatgactttg aagatgctac 960
agaatttggg gtggatgatg gagaagtatt tggcatggcg tcatctgcct tgagaaaaatc 1020
tccaatgatg ccagaaaacg cagaaaatga aggagatgcc ttattacaat ttacagcaga 1080
gttttcttca agatatgggtg attgccatcc tgtatttttt attgggtcat tagaagctgc 1140
```

1266

```

ttttcaagag gccttctatg tgaaagcccg agatagaaag cttcttgcta tctacctcca 1200
ccatgatgaa agtgtgttaa ccaacgtgtt ctgctcacaa atgctttgtg ctgaatccat 1260
tgtttcttat ctgagtcaaa attttataac ctgggcttgg gatctgacaa aggactccaa 1320
cagagcaaga tttctcacta tgtgcaatag acactttggc agtggtgtgg cacaaaccat 1380
tcggactcaa aaaacggatc agtttccgct tttcctgatt attatgggaa agcgatcatc 1440
taatgaagtg ttgaatgtga tacaagggaa cacaacagta gatgagttaa tgatgagact 1500
catggctgca atggagatct tcacagccca acaacaggaa gatataaagg acgaggatga 1560
acgtgaagcc agagaaaatg tgaagagaga gcaagatgag gcctatcgcc tttcacttga 1620
ggctgacaga gcaaagaggg aagctcacga gagagagatg gcagaacagt ttcgtttgga 1680
gcagattcgc aaagaacaag aagaggaacg tgaggccatc cggctgtcct tagagcaagc 1740
cctgcctcct gagccaaagg aagaaaatgc tgagcctgtg agcaaactgc ggatccggac 1800
ccccagtggc gagttcttgg agcggcgttt cctggccagc aacaagctcc agattgtctt 1860
tgattttgta gcttccaaaag gatttccatg ggatgagtac aagttactga gcacctttcc 1920
taggagagac gtaactcaac tggacccaaa taaatcatta ttggaggtaa agttgttccc 1980
tcaagaaacc cttttccttg aagcaaaaaga gtaaacacgg ccagcgggtg gaaccagcca 2040
ttccttgaca agccagcagc ctgctgcagg agaagggctc ctgcaccaacc caccacacg 2100
ctcgtctcac tcaattcaat gtcacacttc tgcctcttgc aaaattgctg gaaaaagtaa 2160
taataaatat agtacttaa gatttcccat ccatgagtat atattcccaa cccttattac 2220
agagaattac aactctggca cccttccta ccctgcact tnacccttct tcaatgacga 2280
atgcattggg caagtgtgag tgatcactaa atagaaattt taccttttca gngcccatct 2340
tttncc 2346

```

<210> 1996

<211> 2021

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 1996

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gcccacgcgt ncgcccacgc gtccgggcaag aggctgggaa gccatcactt accttgact 60
gagaaagaag acaaaggcca gtatgcacag ctttctcca ctgctgctgc tgctgttctg 120
gggtgtggtg tctcacagct tcccagcgac tctagaaaca caagagcaag atgtggactt 180
agtccagaaa tacctggaaa aatactacaa cctgaagaat gatgggaggc aagttgaaaa 240
gcggagaaat agtggcccag tggttgaaaa attgaagcaa atgcaggaat tctttgggct 300
gaaagtgact gggaaaccag atgctgaaac cctgaagggtg atgaagcagc ccagatgtgg 360
agtgcctgat gtggctcagt ttgtcctcac tgaggggaac cctcgtctggg agcaaacaca 420
tctgacctac aggattgaaa attacacgcc agatttgcca agagcagatg tggaccatgc 480
cattgagaaa gccttccaac tctggagtaa tgtcacacct ctgacattca ccaaggtctc 540
tgaggggtcaa gcagacatca tgatatcttt tgtcagggga gatcatcggg acaactctcc 600
ttttgatgga cctggaggaa atcttgetca tgcttttcaa ccaggcccag gtattggagg 660
ggatgctcat tttgatgaag atgaaagggtg gaccaacaat ttcagagagt acaacttaca 720
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aaccceaaaa gcgtgtgaca gtaagctaac ctttgatgct ataactacga ttcggggaga 960
agtgatgttc tttaaagaca gattctacat gcgcacaaat cccttctacc cggaagttga 1020
gctcaatttc atttctgttt tctggccaca actgccaaat gggcttgaag ctgcttacga 1080

```

1267

```

atttgccgac agagatgaag tccggttttt caaagggaat aagtactggg ctgttcaggg 1140
acagaatgtg ctacacggat accccaagga catctacagc tcctttggct tccctagaac 1200
tgtgaagcat atcgatgctg ctctttctga ggaaaacact ggaaaaacct acttctttgt 1260
tgctaacaaa tactggaggt atgatgaata taaacgatct atggatccag gttatcccaa 1320
aatgatagca catgactttc ctggaattgg ccacaaagtt gatgcagttt tcatgaaaga 1380
tggatttttc tatttctttc atggaacaag acaatacaaa tttgatccta aaacgaagag 1440
aattttgact ctccagaaaag ctaatagctg gttcaactgc aggaaaaatt gaacattact 1500
aatttgaatg gaaaacacat ggtgtgagtc caaagraggt gttttcctga agaactgtct 1560
attttctcag tcatttttaa cctctagagt cactgataca cagaatataa tcttatttat 1620
acctcagttt gcatattttt ttactattta gaatgtagcc ctttttgtac tgatataatt 1680
tagttccaca aatggtgggt acaaaaagtc aagtttgtgg cttatggatt catataggcc 1740
agagttgcaa agatcttttc yagagtatgc aactctgacg ttgatcccag agagcagctt 1800
cagtgcacaaa catatccttt caagacagaa agagacagga gacatgagtc tttgccggag 1860
gaaaagcagc tcaagaacac atgtgcagtc actggtgtca ccctggatag gcaagggata 1920
actcttctaa cacaaaataa gtgttttatg tttggaataa agtcaacctt gtttctactg 1980
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                2021

```

<210> 1997

<211> 1955

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 1997

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ccggcttccc aggcagaaga gtcganaaaa gctgtctttt tctcacgtca cccagencag 60
gtcattaag ttcttcanc ctttcccaat cattttcnca atgagcaaat tgactaagag 120
aagcaaaggt ttcttggggt tattaaccag tagtgtggaa atactagttt tatgtggcca 180

```

1268

```

aggaaaagca aaggcttttc ttttcagttt gtgttatttg gaagacagaa aaacatcttg 240
tctacatcct ttggctgttt gtaggatcac gttgtcctta cgatactgaa actttacagc 300
tgctgtaaat tttttataaa tgaatttcaa aatgttataa tgggactgta ggttgttttt 360
ctacatcttc attatttgga cctaaaacca gtttttaata agaaagttaa tctttactct 420
ttctgaaatt atgactccag aaaaagaaaa aaaaaataca agtcatggaa tcagcaatct 480
ggtaagaaat gctgccaaga atgtggcagt agctgtcctg acagactcca actgtcttta 540
ctatctgaag aatcctaggc tccacatgag aggcagaaat ggatcagttt tattcttttc 600
tagaaatggg tatctgtagt ttggtagcaa aaaaaagaa aaaagaatcc ataattagca 660
gatttcttat taactatttg gatctaattg aaatggcttt attcttagga ttaagaaaga 720
tagatgtgga taccagcca ctcgttccat attggatatc tttaaatcag ctctgcctct 780
taatcaagaa cctaaatatt cctcttttct aatctttgtt ccttctccct acacctcat 840
cctctttcac tcttcttca taattcctct aagaaaaata tctttgcac agcagtaata 900
tcttttagaa tagcactatc agaatttagc agtaaaccac catacaggct tcagatttac 960
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agctcaaacg tagttaataa ggaaggtaat ttgttttct tttacctaaa agaaaagaaa 1140
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```

<210> 1998

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<400> 1998

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aaggccacgc ggcacatctt cctcatcagg cattcccagt accacgtgga tggctccctg 120
gagaaggacc gcaactctgac cccgctgggt cgggagcagg ctgaactcac tgggctccgc 180
tggcaagctt ggggttgaaa gtttaataaa atcgtccatt cgtctatgag cgcgccatag 240
agaccaccga tatcatcagc cggncacctg ccaggcgtct gcaaagtcag cacagatctg 300
ctgcgggaag gcgcccccat cgagccagac ccgcccgtgt ctcatggaa gccggaagct 360
gtgcagtatt acgaagacgg agcccggatc gaggccgcct tccggaacta catccaccgc 420
gcagatgcca ggcaggagga ggacagttac gagatcttca tctgtcacgc caacgtcatc 480
cgctacatcg tgtgcagagc actgcagttt cctcctgaag gctggctccg gctctccctc 540

```

1269

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aataatggca gcatacacca cctgggtgatc cgacccaacg gccgagttgc gctcaggacc 600
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ctccttccct ctgtcctccc tgcacaggcc gcacacactt aacgttttgt tcccaaggag 720
accggcggaag agtagaaaacc tgcaatgctg catctgggaa ctgacttgtg accaggctga 780
gaagggggaga gttgggatca gacagcctga cttctctgca gggttttata cctgaccatg 840
aacccccagg atggcgtggg gtttaaggtg aaagcgtctc acgcacaagt caggcctgtt 900
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atgaggaggg caccaggtt ctgttcacaa ctacttcac ttcatacatc cttttaattt 1080
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aaaaaaaaaa aaagtttt 1158

```

<210> 1999

<211> 1127

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<400> 1999

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tgtcacagac tacttcatca gtcgcttata tggagctggg accaagggtt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccatat cctctggcac tgctgaactt 120
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ttgtctctgt tcttgggcag agctcagcag tacttggcag catgggaccc agcttccttc 300
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ctggcctcag aggaaaagctt asctctggaa tggagcagca gctgggcctg gagatccaga 420
agctgactgc acagatccag ctctcgcttg aagagtcact aagtgtcttt tctcaagaat 480
gtcataaaca agccatgcaa ggtttcaagc tctacatgcc acggggctcg tactggcggc 540
ttcgtctctg tcttggaaact cctcatccca gcttctcctt ccagagttcc aaggggaacc 600
tcccagtgtc cctagtgtgt atgtgtgttt agtgggtccg accgtactgg agcctgtgtt 660
gcaaggattg caagggttgc cacctcaagc ccaggccctt gcccttggtc aggcctctgac 720
ggccatcgtg ggtgcctggc ttgaccacat tcttaccat gggattcggg tcagggtcagg 780
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gaggcaggag ggtcaagtgg ccatactgta cctctgcctt cagcctgcag ggagcgtgtc 900
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cccctgatct ccgccagacc ctgtcatgct tcagcatctt ccagcagctg gatggggcct 1020
gctgtgtctg ttgcagmagc ccytgcccaa gttcaagtcc acaggaggcc ccctgttgtc 1080
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<210> 2000

<211> 478

<212> DNA

1270

<213> Homo sapiens

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<400> 2000

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ctgcttgmma gtgccagagc ccaggcccca gagccctgct ggagaggagg cagactgagg 180
cagcaggccc cgccagcagg cgaagaggng agatgtcaga ctgctacacg gagctggaga 240
aggcagtcac tgtcctgggtg gaaaacttct acaaatatgt gtctaagtac agcctgggtca 300
agaacaagat cagcaagagc agcttccgcg agatgtctca gaaagagctg aaccacatgc 360
tgtcgcattg ctgaccctgc ttcttcccca ggacacaggg aaccggaagg ctgcgataa 420
gctcatccag aacctggatg ccaatcatga tgggcgcac agcttcgatg agtactgg 478
```

<210> 2001

<211> 1261

<212> DNA

<213> Homo sapiens

<400> 2001

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cagtcgaatt tcaagaatat gtctttctcc aatttctggg cttagataag gcgccttcac 180
cccagaagtt ccaacctgtg cttatatct tgaagaaaat tttccaggat cgcgaggcag 240
cagcgaccac tgggggtctcc cgagacttat gctacgtaaa ggagctgggc gtccgcggga 300
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cttctctctg cctgcagaag ctctctact ttaacctgtc tgccatcaaa gaaagggaac 420
agttgacatt ggcccagctg ggccctggact tggggcccaa ttcttactat aacctgggac 480
cagagctgga actggctctg ttcttggttc aggagcctca tgtgtggggc cagaccaccc 540
ctaagccagg taaaatgttt gtgttgcggt cagtcccatg gccacaagggt gctgttctact 600
tcaacctgct ggatgtagct aaggattgga atgacaaccc ccggaaaaat ttcgggttat 660
tcctggagat actggtcaaa gaagatagag actcaggggt gaattttcag cctgaagaca 720
cctgtgccag actaagatgc tcccttcatg cttccctgct ggtgggtgact ctcaaccttg 780
atcagtgcc aaccttctcg aaaaggagag cagccatccc tgtccccaag ctttcttgta 840
agaacctctg ccaccgtcac cagctattca ttaacttccg ggacctgggt tggcacaagt 900
ggatcattgc cccaagggg ttcatggcaa attactgcca tggagagtgt ccttctcac 960
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a 1261
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<210> 2002

<211> 1531

<212> DNA

<213> Homo sapiens

1271

<220>
 <221> misc feature
 <222> (1524)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1530)
 <223> n equals a,t,g, or c

<400> 2002
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 atatgttttg tgcattttgt tttgctctgt ataatgtata tataatggac aaatagtcct 120
 aatttttcaa catctagtct ctagatgtta aagaggttgc cagtgtatga caaaggagta 180
 aaattagcat attttgtaca ctttgtgttg aaattcgtag gaaaacttgt cttctgtaaa 240
 gacttttgca taggaatttg tttgaccatc tctaagcatt acacgtgcct gtacttgtcc 300
 actggattga aggcagagaa ggaagggagg agggaatgat tcaaggccaa aatggccaca 360
 tttagaagat acctcagatg ataaccattg ttatgtgtgt gcaattttat ttaacagtgc 420
 tgtgtatgtg gtggacaagt tatatgaaat atctagtctt tctagatatt tggaagtgtc 480
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 gaaatgctgt ttggaagtgg aattgttgaa ccacctggga ggtgggaggg aagaaattgc 600
 aaatggtgtt ttgccattgt ttattagaaa atttcagctt aatccattgt gtatatgtta 660
 catgcatttc atttaacttt gctatactgt atatatgtta tatataacgg acaaattagt 720
 cccgatttta taatatctag tctctagata ttaaagagggt tgccaatgta tgacagaagt 780
 agagttagta aactaacaca ttttgtacac tttgttaaaa tttgtagaaa ggctgtcttc 840
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 aagtgcacaa agtatgttaa aagtagaggt agtaaataac acattttgta gctatccttt 1140
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<210> 2003
 <211> 2333
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2018)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2044)

1272

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2306)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2332)

<223> n equals a,t,g, or c

<400> 2003

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ataatcaatg aaagaaaattc tatgcatggt tttgaaataa tgtccttgaa agaggaatca 180
ccattaggaa aggtgagtcg gggtcctttg tttaatgtga ctagtggtc atcatcacca 240
gtgacctggg tgggcctact ctccttccag aacctgcatt gcttcccaga cctccccact 300
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attctaattt accttgcttc atctaggtcc agggcccaag tagcttgctg aaggaactta 420
aaaagtagct gttattttatt gtattttata agctaaaaac atttattttt gttgaatcga 480
aacaattcca tgtagcaatc ttttttctgt tcacggtggt tgtgatagaa ccttaaattc 540
cgcaagcatc agttttttga aaaaatggga attgaccgga tagttacagg caaagattat 600
aaatwgctac aacatcattt aacttttata aacatgcctt ctctctattg aagacatctg 660
atatttttgc tggaaagtgt gatctatcct cagtaactct gccatggaat tcctgkttcc 720
tggttccaga aaaagaaaag attacatttc tgatcataaa gaatgtcttg catatgggga 780
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atgggacaca tgtttaggtt ttggtgcagt tgcacaaaac tgtgttagtt tatatgttac 960
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gctgctttat atgacatatg tgacatttga ttatttaaca cttgatgtga tctgcataaa 1620
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1273

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tcataatttgt acagtgatcg gcttcagtga tgggttttgt gggcatttat tgtgtgtgtg 1740
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ttctcttcaa accttaataa ttataccata aagtgttaatt tttatagcaa tgcaaagtgc 1920
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gcccgcaccg atcgcccttc ccaacagttg cgcagcctga atggcgaaat gcaaattgta 2220
agcgtaataa ttttgttaaa attcgcgtta aatttttgc aaatcagctc attttttaaa 2280
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<210> 2004

<211> 2399

<212> DNA

<213> Homo sapiens

<400> 2004

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ggcagcagggt agaaaccttg aaattttaga aaacatcaat ttcattgccta atgttttgcc 60
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agaaatgatt tttgttgctg ccacacttcc tacttttttg tatgagctta aacctatgtc 180
ttgaacattt atatcaccat tcttgcccct gaacacaaat gaatttttta tctttatttt 240
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caatttatca ctttaccaaa caacaaaatt cactcttatt gtttaataatt cataataaag 420
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ctggagggtta aggacccctg aaccccttgc ctccacggca cgagctctg ccgttttttc 1920
ctgttttttg attttatgta aataaacaga gtcataaatt tgacactctc aaaatatccc 1980

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1274

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ccatcagatt catgtaagac ttttattttg gtgatacttc tccacaacca tcgcactaca 2040
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<210> 2005

<211> 1916

<212> DNA

<213> Homo sapiens

<400> 2005

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tctaacccea acccaaccta gccagtcgcc agccgccagc gcctgtccct gtcacggacc 180
ccagcgttac catgcatect gccgtcttcc tatecttacc cgacctcaga tgctcccttc 240
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ggtgtcgttt cagtcagatg ttgcatccaa tttttgagga agcttccgat gtcattaagg 420
aagaatttcc aaatgaaaat caagtagtgt ttgccagagt tgattgtgat cagcactctg 480
acatagccca gagatacagg ataagcaaat acccaaccct caaattgttt cgtaatggga 540
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gttgggtattt tcagtatctc atttctcaaa gctaaagaga tatacattct ggatacttgg 1860
gaggggaata aattaaagtt ttcacactga aaaaaaaaaa aaaaaaaaaa ctcgta 1916

```

<210> 2006

<211> 1073

<212> DNA

<213> Homo sapiens

1275

<400> 2006

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cagggtgaca tcaaaggaca ggggtgcctc ttaaggtag cttccagcca cagccctctt 1020
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```

<210> 2007

<211> 3711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<400> 2007

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```

1276

```

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gcgcccaggt agccgcggta ccctgagcgg taggagcggg gctgtccctt ttatctaggc 3660
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```

<210> 2008

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1277

<222> (434)

<223> n equals a,t,g, or c

<400> 2008

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tggggcacctg ggtccgcaag gccgccatga ccagtctgat ggatctgaca cttctgctgg 120
ctcggagcca gcctgagctg atcgaggccc atacctgtga gcgcatcatg tgctgtgtgg 180
cccagcaggc cagtgagaag attgaccgtt tccgtgctca cgccgccagc gtgttcctga 240
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agctgtttcc caggtccgat gtggcctccg tgaactggag tgcamcttcc caggcyttcc 360
cacgcataac castccttgg gtkgccacyt acggtwacam gtcctgggtgg gggtagtcgt 420
gtccttggcg gtnnaggatg acgatccgga ttcaccaagc ttttataa 468

```

<210> 2009

<211> 839

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 2009

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catcagagca tatcgggatg acattgattt gcaaaacctc atagacttca cccaggaata 180
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tcccgcagaa gatgtcatca aactgagtg tggctatgga tgccaggcaa aaaccagaag 360
ttgaccagca gattgtaayc tacacgaaag gcygtgtgcc ccagtttgag aagtggttgc 420
aggacaattt aaccatcggt gctgggtattt tcataggcat gcattgctgc agatatttgg 480
gatatgccct ggcccagaat tkggtttagc atatcgaagc tgtcagggcg agctggtaga 540
ccccctgcaa ccgstgctgc aagacactgg acagaccag ctttcggggac cctcccgcgt 600
gccgaactga tcttcgagct gcatggacct aatcacagat gcagcctgca gtctcgcta 660
atggagctgc cattagggga gtgtaaaact gggaaatgct gctcactgac agaattaaaa 720
aaaaaaataa ccagtatgaa agtcgttgcg ccgtgaatct ctactgtagc catgaattta 780
tggacagtta gatgcttacc aaaaaaaaaa aaaaaaaact cgagggggggg cccgtaccc 839

```

<210> 2010

<211> 813

<212> DNA

<213> Homo sapiens

<400> 2010

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tcgacccacg cgtccggctc cccgagccct gccaacatg gtgaacttgg gtctgtcccg 60

```

1278

```

gggtggacgac gccgtggctg ccaagcaccc gggactcggg gagtatgccg catgccagtc 120
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tccaacaagt ccaaggtgac agctggtgct aggggcgtgg ggttaataaa tggcttatcc 780
ttctctccaa aaaaaaaaaa aaaaaawaaa aaa 813

```

<210> 2011

<211> 994

<212> DNA

<213> Homo sapiens

<400> 2011

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aaaggcgaaa ggccccatth attgttgtct ttttacgccc cagcttacct taggctcggg 60
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gtatagggat ttgccctgag ccaagatcgc caaggaggag atcttcgggc cagtgatgca 180
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tgaagtgaag actgtcacag tcaaagtgcc tcagaagaac tcataagaat catgcaagct 480
tcctccctca gccattgatg gaaagttcag caagatcagc aacaaaacca agaaaaatga 540
tccttgctg ctgaatatct gaaaagagaa atttttccta caaaatctct tgggtcaaga 600
aagttctaga atttgaattg ataaacatgg tgggttggct gagggtaaga gtatatgagg 660
aaccttttaa acgacaacaa tactgctagc ttccaggatg atttttaaaa aatagattca 720
aatgtgttat cctctctctg aaacgcttcc tataactcga gtttataggg gaagaaaaag 780
ctattgttta caattatatt accattaagg caactgctac accctgcttt gtattctggg 840
ctaagattca ttaaaaaacta gctgctctta aaaaaaaaaa aaaagggcgg ccgctcgcga 900
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```

<210> 2012

<211> 1770

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (674)

1279

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (694)

<223> n equals a,t,g, or c

<400> 2012

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caggccgcaa caccatccag atcaccgtca ccgcctgctg ctgctcccac ctcttcgtgc 180
tgcagctagt gcaccgcccc tccgtccgct cgggtgctgca gggcctcctc aaaaagcgcc 240
tcttgccctgc tgagcactgc atcaccaaga taaagcggaa cttcagcagc ggcaccatcc 300
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acatacagtg ctttgacctg gagtccgtacc tgcagctcaa ctgtgagcgg gggacttgga 480
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<210> 2013

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1280

<222> (31)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (468)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (641)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (686)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (697)
 <223> n equals a,t,g, or c

<400> 2013
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<210> 2014
 <211> 2440
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (49)
 <223> n equals a,t,g, or c

1281

<220>
 <221> misc feature
 <222> (93)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2325)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2326)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2421)
 <223> n equals a,t,g, or c

<400> 2014
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 tccccgcgcg ttggccgatt cattaatgca gtggcacgac aggtttcccg actggaaagc 180
 gggcagtgag cgcaacgcaa ttaatgtgag ttagctcact cattaggcac cccaggcttt 240
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 ggaattcgyy wcgagctaag ctgcagtgat gttgcctata tttaaatttt ctcaaattggc 480
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1282

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<210> 2015

<211> 3302

<212> DNA

<213> Homo sapiens

<400> 2015

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1283

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<210> 2016

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2016

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<210> 2017

<211> 2056

1284

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2038)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2054)

<223> n equals a,t,g, or c

<400> 2017

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<210> 2018

1285

<211> 1891

<212> DNA

<213> Homo sapiens

<400> 2018

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<210> 2019

<211> 3557

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2779)

1286

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3523)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3557)

<223> n equals a,t,g, or c

<400> 2019

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1287

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<210> 2020

<211> 1599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 2020

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caccctccga tccgccatcc ccgcgtcgtc gccgctagtc cgcgcccccg ccctcggggc 180
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cgacgccccg gaaggaaagg agagcgacct ccgcccccg ctcagggcac cctggaggga 360
gaagccgccc cgcgcnngsg ttagagcgcc ccgcgcgcc gtagaccga agccgccttg 420

```


1288

```

agcccaagggc tgtacaacgtg ccctgtgctg attctctgccc taggaaagga ccatgcagct 480
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gccgggcaga cctgttttggg gaggagctag agcggcctttt gaaaargaaa tatgaaggcc 600
actggtaccc tgagaagcca ctgaaaggct ctggcttccg ctgtgttcac attggggaga 660
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tcagctacaa cctgaacacc atgcagtatc ccagccagca gttccagccc gtggtgctgg 1500
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ggaaaggcca aaaaaaaaaa aaaaaaactc gagactagt 1599

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<210> 2021

<211> 2593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2348)

<223> n equals a,t,g, or c

<400> 2021

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ggacttgccc taacagagcc tcaacaacta cctggtgatt cctacttcag ccccttggtg 180
tgagcagctt ctcaacatga actacagcct ccacytggcc ttcgtgtgtc tgagtctctt 240
cactgaragg atgtgcatcc aggggagtc a gttcaacgtc gaggtcggca gaagtgacaa 300
gctttccctg cctggctttg agaacctcac agcaggatat aacaaatttc tcaggcccaa 360
ttttggtgga gaacctgtac agatagcgct gactctggac attgcaagta tctctagcat 420
ttcagagagt aacatggact acacagccac catatacctc cgacagcgct ggatggacca 480
gcggtggtg tttgaaggca acaagagctt cactctggat gcccgcctcg tggagttcct 540
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gttgacagct gaaagctggg gctatgatgg aaatgatgtg gagttcacct ggctgagagg 780
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```

1289

```

ctttgtgttt ggggccttgc tagaatatgc agttgtctac tacagttcct tacagcagat 1200
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atactacatg tatttttgag tcaatgttaa atttcttgca tgccatagggt cttcaacagg 1560
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gratgsttat tat 2593

```

<210> 2022

<211> 1688

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (802)

<223> n equals a,t,g, or c

<400> 2022

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cttcacccac ccgcccaagg acgagaaggc gccgcacctc aagcaggngg tcaggcagat 180
gatccaacag gcccagaagg tcattgctgt ggtcatggac ctcttcaactg atggngatat 240

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1290

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ctttcaagac attgtggatg ctgcctgtaa gcgccgggtc ccagtgtaca tcatacctgga 300
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gattcggaac atccgtgtcc gctctgtgac aggcgtcggc ttctacatgc ccatggggag 420
gatcaagggg accctgtcat caaggttcct gatggtggac ggtgacaaag tggccactgg 480
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agactgga 1688
```

<210> 2023

<211> 2543

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

1291

<400> 2023

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gacagtnacn gtacnggant cccggctcgac ccacgcgtcc gggctcttct ggcgcacaaa 60
tgtcgttcgt ggcagggggtt attcggcggc tggacgagac agtgggtgaac cgcacgcggg 120
cgggggaagt tatccagcgg ccagctaattg ctatcaaaga gatgattgag aactgttttag 180
atgcaaaatc cacaagtatt caagtgattg ttaaagaggg aggcctgaag ttgattcaga 240
tccaagacaa tggcaccggg atcaggaaaag aagatctgga tattgtatgt gaaagggttca 300
ctactagtaa actgcagtcc tttgaggatt tagccagtat ttctacctat ggcttttcgag 360
gtgaggcttt ggccagcata agccatgtgg ctcatgttac tattacaacg aaaacagctg 420
atggaaagtg tgcatacaga gcaagttact cagatggaaa actgaaagcc cctcctaaac 480
catgtgctgg caatcaaggg acccagatca cgggtggagga ccttttttac aacatagcca 540
cgaggagaaa agcttttaaaa aatccaagtg aagaatatgg gaaaattttg gaagtgtgtg 600
gcaggatattc agtacacaat gcaggcatta gtttctcagt taaaaaaciaa ggagagacag 660
tagctgatgt taggacacta cccaatgcct caaccgtgga caatattcgc tccatctttg 720
gaaatgctgt tagtcgagaa ctgatagaaa ttggatgtga ggataaaacc ctagccttca 780
aatgaatgg ttacatatcc aatgcaaact actcagtga gaagtgcac ttcttactct 840
tcatcaacca tcgtctggtg gaatcaactt ccttgagaaa agccatagaa acagtgtatg 900
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tccgggagat gttgcataac cactccttctg tgggctgtgt gaatcctcag tgggccttgg 1680
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taaaaaaaaa aaaaaaaaaa aaa 2543
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<210> 2024

<211> 504

<212> DNA

<213> Homo sapiens

<220>

1292

<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2024
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agttcctatt gattcatcag attttgcatt ggatattcgc atgcctgggg ttacacctaa 180
acagtccgat acatacttct gcatgtctat gcgaatacca gtggatgagg aagccttcgt 240
gattgacttc aagcctcgag ccagcatgga tactgtccat cacatgttac tttttggatg 300
caatatgcct tcatccactg gaakttactg gttttgtgat gaaggaacct gtacagataa 360
agccaatgat tctgtatgcc tgggcgagaa atgcttcccc ctaccggggc tccccaaang 420
gtgttgggat tcagagttgg gaggagnaga ctgggaagta aatacttggg actacaggtg 480
acactaaggg ggantattaa tggc 504

<210> 2025
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (752)
<223> n equals a,t,g, or c

<220>

1293

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<400> 2025

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gatgcggagt ttgttgatat cgatggaaaa tcgcatctca tctgtncan ccgtcccan 180
gtcccatca tctccagtgc gaataaaagc tctaagaagt ttgtcccca tggtagacatc 240
cccaacatgg aggacgtact ggctgtgaag agcttccgaa tgcaaaatac cctctacctt 300
tcccttaccg gcttcatcgg ggactcccggt gtcagtgggt ggaacagtaa gcagtttgtg 360
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gagaagcagc tattcaaaaa gtttaaggag atttacgtgc aggcgcctcg ttcattcaca 540
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atttttgaac atataattgt tgacttaagt ttgtgaagggt gtggtgggtg aaactaagag 660
aaatgtagca ttagctctac aaaagaggac caagaaaaat caacaaacaa atcaaagcca 720
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<210> 2026

<211> 2521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<400> 2026

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cccttggccg cangtgcacg gtctccggaa agtgcaggcg ccacgtccc agctggacca 180
tggcgccctc gcggaacgtg gtgaagattg ccatccagat gcgtgacgcc atcccgacg 240
tcatccagct ggaccaggcg aagccctggc cgctgtgctg aaggagggtg gcgacgcgtg 300
gagcctgacg cactctgagc gttacgccct gcagtttgcg gatgggcacc ggagatacat 360
caccgagaat aaccgcgcgg agatcaagaa tggcagcatc ctgtgcctca gcacggcccc 420
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1294

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gccccccggt ctgctggccc tggacaacat gttgtacttc tccagaaacg cggccagcgc 1320
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t 2521

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<210> 2027

<211> 2357

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2332)

<223> n equals a,t,g, or c

<400> 2027

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1295

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<210> 2028

<211> 1783

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1296

<222> (1576)
<223> n equals a,t,g, or c

<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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<400> 2028
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1297

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<210> 2029

<211> 4331

<212> DNA

<213> Homo sapiens

<400> 2029

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1298

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<210> 2030

<211> 1234

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1058)

<223> n equals a,t,g, or c

<400> 2030

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aactgcggcg tcatccccgc tataagcgca cggcctcggc gaccctctcc gaccggccgc 120

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1299

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ccgccgccat gcagccctcc agccttctgc cgctcgccct ctgcctgctg gctgcacccg 180
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<210> 2031

<211> 1089

<212> DNA

<213> Homo sapiens

<400> 2031

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<210> 2032

<211> 983

<212> DNA

<213> Homo sapiens

1300

<220>
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<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (899)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (920)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (923)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (928)
<223> n equals a,t,g, or c

<400> 2032
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gcggttcattc agcactgttt cggaggaatc tctatttcaa tctattccta tacattagtt 180
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<210> 2033
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1301

<222> (637)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<400> 2033

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ataaccgggc agccactcct gaggatgatac cagtataaca taaacgtagc agyctcaatt 540
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gcgaccgcta acacttcctta agaaaactgg cagtcgnatg ttaggtttca ctttgctact 660
ttatatggtc tggancaaatt tttggaataa cccaattttt ggtccaagaa tgccaaaaaa 720
ca

```

<210> 2034

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<400> 2034

```

gctggcgcg cgagcgggat gaggcgctgc agtctctacg ctttcggtaa cttccggggc 60
ctggcgtmtc gtctccttac cctgggggcta cccttgcccg gtctactgc ccgcgggttaa 120

```

1302

```

cccgcgcgga gccgcctctc cctccccgc cgcactcaac cctgccctcc cccgtgcttt 180
gcagacgccg yccggggggcc caggcggtg atgcgtgtgg gcctcgcgct gatcttggtg 240
ggccacgtga acctgctgct gggggccgtg ctgcatggca ccgtcctgcg gcacgtggcc 300
aatccccgcg gcgtgtgcac gccggagtag accgtagcca atgtcatctc tgtcggntcg 360
gggtgctga gcgtttccgt gggacttgtg gccctcctgg cgtcaggaac cttcttcgcc 420
ctccactgac tgggtcctgc tggcactagc tctggtgaac ctgctcttgt cgttgccctgc 480
tccctgggcc tncctcttgc tgtgtcactc actggggcca acggtggncc gcggcttatt 540
gntgactggc accca                                     555

```

<210> 2035

<211> 1084

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<400> 2035

```

gccatccctg gctgtggcca aaatcatcat cattgaattc aaccccatgt accccaaana 60
caatgacatc gccctcatga agctgcagtt cccactcaact ttctcaggca cagtcaggcc 120
catctgtctg cctttctttg atgaggagct cactccagcc acccactct ggatcattgg 180
atggggcttt acgaagcaga atggaggga gatgtctgac atactgctgc aggcgtcagt 240
ccaggtcatt gacagcacac ggtgcaatgc agacgatgcg taccaggggg aagtcaccga 300
gaagatgatg tgtgcaggca tcccggagg ggtgtggac acctgccagg gtgacagtgg 360
tggggccctg atgtaccaat ctgaccagtg gcatgtggtg ggcacgtta gctggggcta 420
tggctgcggg ggcccagca ccccaggagt atacaccaag gtctcagcct atctcaactg 480
gatctacaat gtctggaagg ctgagctgta atgctgctgc ccttttgag tctggggagc 540
cgcttccttc ctgccttgc cactgggga tccccaaag tcagacacag agcaagagtc 600
cccttgggta caccctctg cccacagcct cagcatttct tggagcagca aagggcctca 660
attcctrtaa gagaccctcg cagcccagag gcgcccagag gaagtcagca gccctagctc 720
ggccacactt ggtgtccca gcatcccagg gagagacaca gcccactgaa caaggtctca 780
gggttattgc taagccaaga aggaactttc ccacactact gaatggaagc aggtgtctt 840
gtaaaagccc agatcactgt gggctggaga ggagaaggaa aggtcttgcg ccagccctgt 900
ccgtcttcac ccatcccca gcctactaga gcaagaaacc agttgtaata taaaatgcac 960
tgccctactg ttggtatgac taccgttacc tactgttgtc attgttatta cagctatggc 1020
cactattatt aaagagctgt gtaacatmaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaa                                             1084

```

<210> 2036

<211> 345

<212> DNA

<213> Homo sapiens

<400> 2036

```

aaacattaca atattctcaa aaaaatccat atccatcacc attgcatatg cagtattact 60
ggttgttttg atgtaaaatta cgttttaaagg tttattttta aaagtgtgca tattcaacat 120
aaagaaagaa aaaatctaac gaatttaaag tctgctgtaa tcctagcaca cgtgaacaca 180
atattaatat cttggtttat ttattttctg atgttcgtga gcatatatat atatatatat 240
atatatatat atatatatat atatatatat atatatatat atatatataw 300

```

1303

atccccctcta gcaaattggcc tgtaatatgct tgtaagcatt ttttc

345

<210> 2037

<211> 1214

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1214)

<223> n equals a,t,g, or c

<400> 2037

```

tggacgcgtg ggctgaccca cgcgtccggt caaaaytaac cccctaataa aattaattaa 60
ccactcattc atcgacctcc ccacccccatc caacatctcc gcatgatgaa acttcggctc 120
actccttggc gcctgcctga tcttccaaat caccacagga ctattcctag ccatgcacta 180
ctcaccagac gcctcaaccg ccttttcac cactcgccac atcactcgag acgtaaatta 240
tggctgaatc atccgctacc ttcacgcca tggcgccctc atattcttta tctgcctctt 300
cctacacatc gggcgaggcc tatattacgg atcattttct tactcagaaa cctgaaacat 360
cggcattatc ctctctgttg caactatagc aacagccttc ataggctatg tcttcccgtg 420
aggccaaata tcattctgag gggccacagt aattacaaac ttactatccg scatcccata 480
cattgggaca gacctagttc aatgaatctg aggaggctac tcagtagaca gtcccaccct 540
cacacgattc tttacctttc acttcatctt gcccttcatt attgcagccc tagcagcact 600
ccacctccta ttcttgacag aaacgggatc aaacaacccc ctaggaatca cctcccattc 660
cgataaaatc accttccacc cttaactac aatcaaagac gccctcggtt tacttctctt 720
ccttctctcc ttaatgacat taacactatt ctaccagac ctcttaggag acccagacaa 780
ttataacccta gccaacccct taaacacccc tccccacatc aagcccgaat gatatttctt 840
attcgcctac acaatttctc gatccgtccc taacaaacta ggaggcgctc ttgccctatt 900
actatccatc ctcatcctag caataatccc catcctccat atatccaaac aacaaagcat 960
aatatttctc cactaagcc aatcacttta ttgactccta gccgcagacc tctcattctt 1020
aacctgaatc ggaggacaac cagtaagcta cctttttacc atcattggac aagtagcatc 1080
cgtactatac ttcacaacaa tcctaatact aataccaact atctccctaa ttggaaaaaca 1140
aaatactcaa atgggcctaa aaaaaaaaaa aaaaaacycg gggggggggc gggtwcccaa 1200
tttccccctt aggn                                     1214

```

<210> 2038

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 2038

```

aataatatat cctgtcgtt ttgttttttc tttttaagac ttgggcccggg tgtggtggct 60
cacgcgttta atcccaaagt gctgagatta cgcccgccct aaatattact ttcaaataga 120
accatcttca tgggtagcag tttataatac acaagtagaa tttgggaaat gtagtcccag 180
tcttccattc ttcacagtgg atgcttcagc cagtttctct tctctgcaca cacactgccc 240
gacagcgggc tttcccttct ccttcagagc agtagcagtt ccctttcttc attcccaccc 300

```


1304

atcacagtgg cagccccctc tgccctcctg tattctgaat cccaccctta taatatgctt 360
 agattttgcc tttctcccag ccgttttgtg agcattgttc gtgtgtacca attttttctc 420
 atccttttaa aaaaaaaaaa aaaaactngg gggggg 456

<210> 2039
 <211> 594
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (577)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (588)
 <223> n equals a,t,g, or c

<400> 2039
 ggggtcgaccc acgcgtccga aaaactgttn gggagcttga caaaggcatg caggagagac 60
 aggagcagcc acagccagga gggagagcct tccccaaagca aacaatccag agcagctgtg 120
 caaacaacgg tgcataaatg aggcctcctg gaccatgaag cgagtcctga gctgcgtccc 180
 ggagcccaag gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 240
 gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 300
 agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 360
 gggctgctgc tttgactcca ggatccctgg agtgcccttg tgtttcaagc ccctgcagga 420
 agcagaatgc accttctgag gcacctccag ctgccccggc cgggggatgc gargctcgga 480
 gcacctttgc ccggtgtgat tgctgcaggc actgttcac tcactttttg tccttgktcc 540
 ggaagcgctt ttgctgaagt catattggac ctgatgntta acaataangt ccat 594

<210> 2040
 <211> 653
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

1305

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<400> 2040
gcttntacgc ctgcagcnac cgggtccggaa ttccccgggtc gacccacgcg tcggcggtccc 60
ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 120
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 180
agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 240
gggctgctgc tttgactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 300
agcagaatgc accttctgag gcacctccag ctgcccccg cggggggatg cgaggctcgg 360
agcacccttg cccggctgtg attgctgcca ggcactgttc atctcagctt ttctgtccct 420
ttgtccccgg caagcgcttc tgcgtgaaagt tcatatctgg agcctgatgt cttaacgaat 480
aaaggtccca tgctccaccc gaggacagtt cttcgtgcct gagactttct gaggttgtgc 540
tttattttctg ctgcgtcgtg ggasanggcg gkagggtgtc aggggagagt ctgccaggcc 600
tyaagggcag gaaaagactc cctaaggagc tgcagtgcac gcaaggatat ttt 653

<210> 2041
<211> 1916
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1766)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1883)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1911)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1912)
<223> n equals a,t,g, or c

<400> 2041
tcccaagaca ggattatgaa tactccacca gctgttgtgt cagtatatga ctgctgctgc 60
tcctatgcaa gggaacctac attcctcagt acacgcctgt scctccgaca gctgtttcta 120

1306

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ttgarggtgt tgttgctgat acctctcccc agacagtggc accttcatcc caggacacca 180
gtggtcagca gcaacagata gcagtggaca catccaacga acatgcacct gcattattctt 240
accaacagtc taaaccataa acaggactga agaattgttg tytgaattctt tgccttgaat 300
gaagaaactt cattgaacaa gaagttggct tccagtttgc acagacgtca atggaatgca 360
tttttttgkt gktgktgktg tttttttttt agtgktatac cttacccaat gaaagcaaag 420
tttttatgtg ctgtgcaaat ggtcttcatg tggctcgaca atttattttt gccatcattt 480
ttttaattaa agaaaaaatt tccagaagag gaaaaaaaaa ctacaaaaaa caaacattg 540
aaggttgata ttttatgtgg aagaacattt gaattgaatt cagaattttt ctgaaggtgt 600
agatactttt tttttttttt ttaacagaaa acctgatgtc aagaggtggg caatagaaat 660
ggaaacaaat tgtcttcctc aataattaag ctactttctc tttttccctt cttgttttaa 720
tctagtgggt tttttatttt attttttctt agaaatatgt aggttaagggt tatcttgaat 780
cttaattgcc ttaattttta ggacgtcaaa ggctctcgag gcaagctgtc aacgtcttgt 840
tgaaaacaaa aatcaagaaa gaattgaaat actgtgccgg ctttcaactgg cacagaagtt 900
taagactatg agtttttagg gtgaagaaaa aactgtacag tttaaatgaa aatgtttttc 960
ttcatttgaa gaaaatttgt tgataaacca tggcaactgc aagaattgga aaaatgctgg 1020
gacttttcat gaactttgtc ttaagtgttg acatgaatca ttctaaaagg ctaaaacatt 1080
ttacagtaaa gttattaagg ttggttttaa aacaactgca ttagaaataa tgcgtgtttg 1140
gggggcagaa tgcagatttt ttttaatttac aaagcgtgat cgctagcaaa agcatttagt 1200
ctttttatct gcagtctttt ttatgagctt tacaaaagtt ttagtcagct ttgcttgtca 1260
cattgcaaaa cctagcttaa gagcattaaa aaaaaaaact taagtagata gkagcttatg 1320
gtcaaaaagt gcaaaaaaaaaa aaaacaaaaa aaaagcaata gatagagaaa ttgttgacaa 1380
tttctgtagt ctttcctagt tgtgatcaaa ttcagcctat ggatggccta ttttatacca 1440
aagatgaagt grcaccctat trcagtccag aagatagagg ttgttttcca tttcttctct 1500
tttcttttct ttttaagaat tttatttgac ctacatggcc ggaccagttc ttactttgtt 1560
gtttgtttta actaccttcc actggtgttt tatatactgc aaaacagaaac acaacaaaag 1620
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ttggttctag tagaaaagct gcacttgctg tgttcagcag tttctgccgg aagagttckg 1740
gataccaact gacaaaagcca aatggncctt tattcaatct gtgagctttt ctgggtccta 1800
ctagctctct tgaaggkgac acctgtgtgg gatgggccac tgatatgtgg agacctgtgt 1860
ttaacaaggt gaaaattcct ttnccggtgg aacctttgga acctaaaagg nncctt 1916

```

<210> 2042

<211> 1595

<212> DNA

<213> Homo sapiens

<400> 2042

```

aaatcttctt acacacatct agackttcaa gtttgcaaat cagtttttag caagaaaaca 60
tttttgctat acaaacattt tgctaagtct gcccaagcc cccccaatgc attccttcaa 120
caaaatacaa tctctgtact ttaaagttat tttagtcatg aaattttata tgcagagaga 180
aaaagttacc gagacagaaa acaaatctaa gggaaaggaa tattatggga ttaagctgag 240
caagcaattc tgggtgaaaag tcaaacctgt cagtgtctca caccagggct gtggtectec 300
cagacatgca taggaatggc cacaggttta cactgccttc ccagcaatta taagcacacc 360
agattcaggg agactgacca ccaagggata gtgtaaaagg acatttttctc agttgggttc 420
atcagcagtt tttcttctct catttattgt tgaaaactat tgtttcattt cttctttttat 480
aggccttatt actgcttaat ccaaagtgt accattgggt agacacatac aatgctctga 540
atacactacg aatttgtatt aaacacatca gaatttttcc aaatacaaca tagtatagtc 600
ctgaatatgt acttttaaca caagagagac tattcaataa aaactcactg ggtctttcat 660
gtctttaagc taagtaagtg ttcagaaggt tcttttttat attgtcctcc acctccatca 720
ttttcaataa aagatagggc ttttgctccc ttgttcttgg agggaccatt attacatctc 780
tgaactacct ttgtatccaa catgttttaa atccttaaat gaattgcttt ctcccaaaaa 840

```

1307

```

aagcacaata taaagaaaca caagatttaa ttatttttct acttgggggg aaaaaaagtc 900
ctcatgtaga agcaccact tttgcaatgt tgttctaagc tatctatcta wctctcagcc 960
catgataaag ttccttaagc tgggtattcc taatcaagga caagccaccc tagtgtctca 1020
tgtttgtatt tggccccagt tgggtacatt ttaaaatcct gattttggag acttaaaacc 1080
aggttaatgg ctaagaatgg gtaacatgac tcttgttggg ttgttatttt ttgtttgcaa 1140
tggggaattt ataagaagca tcaagtctct ttcttaccac agtcttgtta ggtgggttat 1200
agttcttttg gctaacaaat cattttggaa ataaagattt ttactacaa aaatgaaatt 1260
tgtttggact tccacttgag acagtaaaga gagtattaga caccagtaa aaactgccat 1320
ataaagaagt tgtaattgtt tgttgtgtat gtattttttt caatgccaaa ccagctgtga 1380
tccaatttac atccacattt taggtccaac agcaagaagt tcagagagag atttcccaac 1440
cagacattgg gtcactcact ggtcaccttg ccagtgcatt ttattagaag ggaatctgtt 1500
gtagcaaatg ggaataaacc tgggttttcta tagaccaga actgaaaaaa taaacatcgt 1560
gctgttttta atttgaaaaa aaaaaaaaaa aaaat 1595

```

<210> 2043

<211> 1061

<212> DNA

<213> Homo sapiens

<400> 2043

```

ggccgggcac cggggcgggc ggttgggtcta cgctgtgcgc ggccggacgtc ggaggcagcg 60
gggagcggag cggggccgcc ggggcctctc cagggccgca gcggcagcag ttgggcccc 120
cgccccggcc ggcggaccga agaacgcagg aagggggccg gggggacccg cccccggccg 180
gccgcagcca tgaactccaa cgtggagaac ctacccccgc acatcatccg cctgggtgtac 240
aaggaggtga cgacactgac cgacagacca cccgatggca tcaaggtctt tcccaacgag 300
gaggacctca ccgacctcca ggtcaccatc gagggccctg aggggacccc atatgctgga 360
ggtctgttcc gcatgaaact cctgctgggg aaggacttcc ctgcctcccc acccaagggc 420
tacttcctga ccaagatctt ccacccgaac gtgggcgcca atggcgagat ctgcgtcaac 480
gtgctcaaga gggactggac ggctgagctg ggcacccgac acgtactgct gaccatcaag 540
tgctgtctga tccaccctaa ccccgagtct gcactcaacg aggaggcggg ccgcctgctc 600
ttggagaact acgaggagta tgcagctcgg gcccgctctg tcacagagat ccacgggggc 660
gccggcgggc ccagcggcag ggccgaagcc ggtcggggcc tggccagtgg cactgaagct 720
tcctccaccg accctggggc ccaggggggc ccgggagggg ctgagggtcc catggccaag 780
aagcatgctg gcgagcgcg taagaagctg gcggccaaga aaaagacgga caagaagsgg 840
gcgtgcggc ggctgtagtg ggctctcttc ctcttccac cgtgacccca acctctctg 900
tccctccct ccaactctgt ctctaagtta tttaaattat ggctggggtc ggggagggta 960
cagggggcac tgggacctgg atttgttttt ctaaataaag ttggaaaagc aaaaaaaaaa 1020
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa agtcgtatcg a 1061

```

<210> 2044

<211> 653

<212> DNA

<213> Homo sapiens

<400> 2044

```

ggcacgagcg gatgctcaac ctactgacc ggcaagtcaa aatctggttc cagaatcgca 60
ggatgaaaga aaagaaactg aacagagacc gtctgcagta ttactaggga aaccccttat 120
tttgagagct ccaggaagcg cctcaccacc agcccaactc acccaccctc ctccccacca 180
gcctgctctc cgcagcccac tgctcttggg tttaatgacg tctcttctct gtggaayttc 240
acgattcctt cccacgggtca actcgggacc tcccagcgac cactgcagcc tgcggacgag 300
gccgggactt ggccgagcgg atcctaataa ggggaaaatg gtaaatgcaa acgtcccgtt 360

```

1308

```

acaattttac cgccagtgtg ctgtcgttcc cccctcccmt ctccgagtc tctgtggggac 420
acggcggggt ctgtaggaag ttgggcccgg ttggggggtt ctagaaggcg ctgggtgttt 480
gctctgagtt ttaagagatc ccttccttcc tcttcggtga atgcaggtta tttaaacttt 540
gggaaatgta cttttagtct gtcatatcaa ggcattgagtc actgtctttt tttgtgtgaa 600
taaattggtt ctagtaaaat gaaarwaaaa aaaaaaaaaa aaaaaagtcg acc 653

```

<210> 2045

<211> 356

<212> DNA

<213> Homo sapiens

<400> 2045

```

cggggcagaa aggcggcaaa ktgttggttaa aaaagcagac atgatcaacr raaatatgac 60
tcatcaggtc caagctgaga gagatgcact ggcactaagc aaaagcccat tcattgkcca 120
tttgtattat tcaactgcagt ctgcaaacaa tgtctacttg gtaatggaat atcttatttg 180
gggagatgtc aagtctctcc tacatatata tggttatttt gatgaagaga tggctgtgaa 240
atatatttct gaagtagcac tggctctaga ctaccttcac agacatggaa tcatccacag 300
ggacttgaaa ccggacaata tgcttatttc taatgagggg catattaaac tgacgg 356

```

<210> 2046

<211> 1439

<212> DNA

<213> Homo sapiens

<400> 2046

```

tcccagctgg ccttgccct ctacctccc tgctgagca cttacctct tagatggagg 60
ccgagacccc aagtactgag gtgccacctg acccagagcc tgggtgtacc ctgacacccc 120
catcccaaca ccaggaggcc ggtgctgggg acctgtgtgc actttgtggg gaacacctct 180
atgtcctgga acgcctctgt gtcaacggcc atttcttcca ccggagctgc ttccgctgcc 240
atacctgtga ggccacactg tggccagggt gctaygagca gcacccagga gatggacatt 300
tctactgcct ccagcacctg cccagacag accacaaarm ggaaggcagc gatagaggcc 360
ctgagagtcc ggagctcccc acaccaagtg agaatagcat gccaccaggc ctctcaactc 420
ccacagcctc gcaggagggg gccggctcctg ttccagatcc cagccagccc acccgctggc 480
agatccgcct ctccagcccc gagcgccagc ggttgctctc ccttaacctt acccctgacc 540
cggaaaatgga gcctccaccc aagcctcccc gcagctgctc cgccttggcc cgccacgccc 600
tggagagcag ctttgtgggc tggggcctgc cagtccagag ccctcaagct cttgtggcca 660
tggagaagga ggaaaaagag agtcccttct ccagtgaaga ggaagaagaa gatgtgcctt 720
tggactcaga tgtggaacag gccctgcaga cctttgcca gacctcaggc accatgaata 780
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tagaggccga gggcgtgaag ctggagctgg ccttgaggcg ccagagcagt tccccagaac 960
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ctgatcggca ggctgaggac caggctcctg ggaagctggg ggatttggtc aaccagagag 1200
atgccctcat ccgcttccag gaggagcgca ggctcagcga gctggccttg gggacagggg 1260
cccagggcta gacgaggggt ggccgtctgc tttcgttccc aaaaagaaa cacctcacc 1320
cagcacagt ccacccctgt tcatctgggc tgctggcag agagccttgc tgtttacaat 1380
taaaatgttt ctgccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1439

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<210> 2047

1309

<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (585)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<400> 2047
cctgcaggta ccggtccgga attccccgggt cgacccacgc gtccggaaga atttaaactw 60
agagaatgat taataaagtg gaaaatatcc aaagagtgtg aaataatttg gggagaaaagt 120
tgcaaaatgt ggagtttctt tacaacaaat attttcagtc catcagatgt ctacatgttt 180
tatgatctaa aataccagac aatgggtctgt gatatcatgg gactaccatt agcccagaaa 240
agggttgcttc tttcatctgc ttgcctaata accatagggt ggtcattact ttctctgaac 300
ttttattttc tcataattct gggttgctata agactcaaga gagaatgcac atgggaaagg 360
attttaaaaa ctgatcaatc tgtaaaatgt catgtattgg aaaagataaa gtaaaattca 420
taccagtatc ctaagtctcc actaaatgat aaaaaccgta cataattatg tctgttgatt 480
cccatagtaa ccatatgaaa cagatattat tcctatctca aatttaggga taaaaaccag 540
taggactgag gacattaagt aaattatcac agctcncsgg gggnnn 586

<210> 2048
<211> 895
<212> DNA
<213> Homo sapiens

<400> 2048
gcctgcagggt accggtccgg aattccccggg tcgacccacg cgtccgcgaa aaatcagttk 60
gcaatataca gtgtgggaac tgtactgtga tcattggcta accaagatgg gtgacagttt 120
atgatttcaa agactcaaaag gcggcttgag tcctacaatg tcctactcat aaaaatggaa 180
agcatggcag cctcaggttg ttacagagta ctctactcca aagtaaaagt tattctctga 240
gaaagtgcctt actgcctttt ctgttctcta gtttgcttgg ttaaacattt actccacaaa 300
attgctcaaaa cttacccatc tttgaatatc tagcctctgg gatgagacag atgatctttc 360
tccgttttca ctttttatag aatacagcta cctaccacagg caatatgaag attttatttg 420
tagaacctgc cattttcctt agtgcatttg ctatgacttt gaccgggtcca ctgacaacgc 480
aatatgttta tcggagaata tgggaagaaa ctggcaacta cactttttca tctgatagca 540

1310

atattttctga gtgtgaaaaa aacaaaagca gcccaatttt tgcattccag gaggtaagaa 600
attacaatat ccatagtatt taataaaatg ggaatgtata ccgggctttg agtcaaagag 660
gaccgtgaac tcatcatcca ttggtctctc tagggcgggc atcaaagtcc taaatcccaa 720
acctaattggc ctttactggg aactcacctc atttgaagtt tcttgacacc tttcaaattc 780
gcctcttctt cttaaaacac cctcctgctc tgtgacacta gctcttctcc tttctctcgg 840
aaaatttcac cacagtgtca tctcttctgt ggctgtctcc ttgctttgtc ctaaa 895

<210> 2049

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<400> 2049

tttatgatat ggaattcaat acaccccttc agtgggtataa agacattcct ggatttcttt 60
aggatagggg cagagttggg ttactatctg gccttcagtt tttaaaaggg gcgattcttt 120
gatatagcan tagcgtcaat ttt 143

<210> 2050

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (576)

<223> n equals a,t,g, or c

<400> 2050

gagctccacc gcgggtggcgg ccgctctaga actagtggat ccccgkctc gcaggaattc 60
atatgatgcc gcccgtaaac tcgacaagct ttacgtgacg gggctatagc tcagctggga 120
gagcgcttgc atggcatgca agaggtcagc ggcttcgatcc cgcttagctc caccaaattt 180

1311

```

tgcacccagc aaacttggta cgtaaacgca tcgtggggct atagctcagc tgggagagcg 240
cttgcatggc atgcaagagg tcagcgggtc gatcccgtt agctccacca aatttccaac 300
cctcgctgca aagsgggggt tttttgtctc tgctttttgc cgcttttgta atacagtcta 360
cgtccgggtt agtgccgcct ggtgaaagca tcattggatg aaaaatcggc aacaggctgg 420
ccccctgttt gcttcgcgat gcgaataaac ttattatttg tgtgcctgaa aaccccgatc 480
agtgagagta gtgtactcat gtttgtggag cataacctga taaaaaatat caagatatcc 540
acactagcgt ttacgctcac cgtgtmcggg ggnnnnn 576

```

<210> 2051

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (578)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (580)

<223> n equals a,t,g, or c

<400> 2051

```

gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgtct gcaggaattc 60
ggcacgagta acaaacctta cttttgttta aggtgctttt tctggctctc tgccattaag 120
atctacattt tccacctgt ctctctagg acctgaggggt tatctctttg atatgcaa 180
gccagggaga ttactcacca gaagaagaag aagaaataga gctaattgga aattgagcaa 240
ataaaaaaat cttgtttttt ctcccagaaa cagtgaaaag ctttagccat cctttagata 300
atcttaactt gttccatctg ccagaaacac aatttggatt cagaaattct ttatgaactg 360
tttttgtatt attgtacctg gcacatggct acagttttca aatgaaaact gtgaaatctg 420
cttctgtctg tattttatgt atgtctgtgt atgcatgtat gtgtaatatt tttctacctc 480
tagagactat cctaaaatta acttataaag agctgtattt aattgcctta aagaaaaagc 540
acttatacaa attaagtatt ttttaaacyc gggggggnnnn 580

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<210> 2052

<211> 571

<212> DNA

<213> Homo sapiens

<220>

1312

<221> misc feature
 <222> (487)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (525)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (561)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (571)
 <223> n equals a,t,g, or c

<400> 2052
 gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg wtggagaaag 60
 ctcccagtga ggaactggtc ttctggagac tctgtgtggc atagagtgat tcaaccacct 120
 taagaagacc tctggctttc ctggaacaca gatgtcgaga catctcccat ggatttgtga 180
 tcagcgttgc agctctccca gcagccctgg acggtgactc tcctctcttg gaatgcatcc 240
 tgaagcagct gaaaaggggt gccccgggcc cagcagggag caaaatctgg tgatattgct 300
 tctgaacatc ccacatgtgc cacacacgtg cccccccca cacacacaca tgcacactca 360
 catgcacact cacatgcaca ctacatgca cactcacatg cacactcaca tgcacactca 420
 catgcacact cacatgcaca ctacatgca cacacagcct ggactctgtt ccccttatgc 480
 ccctggnacc aactccatc aaagccattg acctttatat ccccntgtgt cttcagtaag 540
 aaggtatatc aggccagacc nccggggggg n 571

<210> 2053
 <211> 807
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (57)
 <223> n equals a,t,g, or c

<400> 2053
 gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct gcagganttc 60
 ggcacgagct cgtgccgaat tcggcacgag aaaagatatt gtatatgaac ttcaactcta 120
 caactcagta aaatgaactg tgatcaggag aataaggaaa tgttcagtgt attacttggg 180
 ggttgtaatc aatggaaaaca ctaaaaacat aaaatatgca tgcaactatgc ttccttaaa 240
 taaaattttc ctttaccagg aggagaaaag caaagagtag caattgcaag agccattttg 300
 aaggaccccc cagtcatact ctatgatgaa gctacttcat cgtttagattc gattactgaa 360
 gagactattc ttggtgccat gaaggatgtg gtcaaacaca gaacttctat tttcattgca 420
 cacagattgt caacagtggg tgatgcagat gaaatcattg tcttggatca gggtaaggta 480
 gccgaacgtg gtacccacca tggtttgctt gctaaccctc atagtatcta ttcagaaatg 540

1313

```

tggcatacac agagcagccg tgtgcagaac catgataacc ccaaattggga agcaaagaaa 600
gaaaatatat ccaaagagga ggaaagaaag aaactacaag aagaaattgt caatagtgtg 660
aaaggctgtg gaaactgttc gtgctaagtc acataagaca ttttcttttt ttgttgtttt 720
ggactacata tttgcactga agcagaattg ttttattaaa aaaatcatac attcccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaa

```

<210> 2054

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 2054

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cccacctga tccaagtgcc cttattcaag gtgttgctga tattttgncc ttcactgccc 60
actcatartg argcaaatta ycatTTTTctg kgaacacagc tcagattttg gctggaatgg 120
ctatggctta tgcagtggca acttcttgtt gtagtcttwt tgcaaactct gattcttcag 180
caatatcaac gttttaacat gctcacctca gcaaaagtta agacagctgt aaatggactg 240
atctacaaaa aggccttact tttatcaaat gtttctcrac aaaagttttc cactggggaa 300
attattaact tgatgtcagc aactcatgga cttgacagca aacctcaatc tcctctgggtc 360
tgccccTTTT caaatcctaa tggccgtata tctccttttg caagagctgg gtccagcagt 420
gttagcaggg gtggcagtc tttgtgttgt tataccaata aatgcttttag ctgcaactaa 480
aataaaaaag ttaaagggtgt ccctggcaac cttgtgtgtc tatttcttac tggatgaagg 540
aaacatttta acagccacta aagtgttcac atcgatgtct ttgtttaata ttttaaggat 600
tcctctgttt gagttaccaa ccgtgatctc agctgtgggtc cagacaaaga tatccctggg 660
ccgtttggaa gactttctca aactgagga gcttcttctt caaagtattg aaacgaacta 720
tacaggagat catgctattg ggtttacaga tcttcttttc tcctgggata aaacaggaat 780
gccagttcta aaagaggctc tgtggcttat gktttcacaac aagcctggat tcaaaattgc 840
cgg

```

<210> 2055

<211> 753

<212> DNA

<213> Homo sapiens

<400> 2055

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gcctgcaggt accggtccgg aattccccggg tcgacccacg cgtccggcca aatgctatca 60
tgaacgtagg aaacttgatt tttttgtttt gatcatggcc tctacatgca cttttccaga 120
gtggtctctt ctcaggccct ttttagtccc tttccaaagc tgccccacc accctgctcc 180
tctggcctca gtgcacagtg gccccagcc tcggccaggc ctgctctgct cagcgccac 240
cgccccacc cctcctgct tccccgagcc tgacctgtt ccgccccactg gcaatcaggg 300
ctgcgcactt cctgtccac ggtccccagg ccttctgtc ttgtcccttt tgatcattat 360
taactcaggg tttcagctcc aacctcgctg agttgggtgca gctccaggtc attcctgggg 420
tgggaatcgg atcatccctg actcagcttw taccttaatt ttatttgcag aggattcttt 480
tctcaaaaatg ctctggcatt tggacacaca tcacatgtcg atatttgcag aggagtcatt 540
ttcagtgga taacattttt aatgtgtggt tttacggttc aaggaactac ttgatgattt 600
tgaggaaaaca cttgccagaa actaaattaa cgaataaaaag atttcagtc ccgaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720

```

1314

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa

753

<210> 2056

<211> 4016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 2056

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cngacactat ntaaggtacg cctgcagggtg accggtaccg gaattcccgg gtacgaccca 60
cgcgtccggt tctgaagcaa tgttaatcct actageccaag catatcactt agtccccact 120
gtgagatgag ggatatgtgc ttaaattgtg aaacaaatat atgagtcagg tatttttctt 180
ttgagtccaa gtggtttatg actttctttc ctgtgttctt tgtatatgtg ggagttttat 240
aattttttat caagaatgaa aggttggcct gtgttcttac tgggtgcaggc tgtcacattt 300
ctctctgttg cccagtcagg tgctatggca tgtgtctgct ctggcgtagt gtactctgtg 360
gatgtaccag catgttcttc aaggatcatga ctgattttcc agacctttgg aattgagata 420
aatgttaaat ttgtagctat ctctgaattt ctccagata cttttcttca tttgtttgtt 480
tgtagggtaa acatacctga tagcagcaat ttaagcatac ccttagaatg accatgtatg 540
gccagtgcac ctgaatgtgt gttccaaggt agggaaatcca ggaatggcca actcggagat 600
tcatttcctt ctatgataaa tatctgagcc ccctgctcat cctgtggaac atgggcttat 660
tggggattaa ggccctgagt tttaggttaa atgaaggtta ccagatggag gtcattagggt 720
ggaggggtgt aaatgaaaat gctttataaa ctgcatgtct tttgcaagca gttgcagtgt 780
tcctgcccag cccgcagcca ctggccatgc agtcatgttg tccagcctgc cgccactgga 840
ccatttctgt acataaggca gttctcctgt ccgcctgcc cagttctcc actctctccc 900
catatgtaag cccctagtaa accccatgtc tcatttctgt cctctgggtc tttctctcag 960
cctcttgaa ctagtgccct ccctgctgag gttaatatagg gtacagcaca acagtgttgt 1020
aacacagaaa gtgatattta cagggatata tctctcaca tatctcttag gaaaggtaaa 1080
taaaatgttc acaacttgta ggtgagtaat tccttagata agttgtttct taacttggga 1140
ggagtttggg aaggaacctt agcaggctgc agaggctggg catgggagct tgtcatggct 1200
ggaagttgaa atggtcaact ccaggcagat ctccctgggg aaagcagcct ccaccaccag 1260
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ccagaaaatt gatggataga tttttttttt cggctatata tagtttttaga ggttagaact 1380
agatataatt tcaagtctag aagatttctc ctccccaga aatgatttgt ttttgtgcag 1440
aggccccgtc aaaatagtac cgggagactt agactgagtt cactcatcac taacaattaa 1500
ctttataaac attcaacaag taggacaact attattactg ttactcagaa ccttctgctc 1560
tgtatataca gtttgattta agatgccaca ttacatggc attttcaacc ttcaaactct 1620
agcagatttt aaaactagggt ggatgaaaat agaatactt taataaatgt agtgtgtcag 1680
atttgaaaaa tcatitgggt agcaggatct ctgtaaagt atatgggcca cgtatacaag 1740
acgtaactga agaaaattaa ttcaacagag catgccgtac ttgaacgaca tagagattta 1800
ctcgaactga actaactcaa gctgcagaac tccgagcaag cctggattgt aaagtctggg 1860
tgaaaaataga tggagtatgc ctgactgaac ctctgtactg cccacatgc tatacagggt 1920
ggggattgga tggctgttag gtgatcattg cattctcttt tggatcccta ttgagaagaa 1980
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1315

atgataagag agggaaagga tatggggcaa gaacagtctg aaaaagaaag gataaagttc 2040
tcagactctc ttcacactct aagaagaact ttctgaaaag cttggattag gtctggcaat 2100
ggatataata agcaaaggac tcttggaatg tgttcttggc tcttagcccc acctctgact 2160
ttgagcaaat cagctgattt ctctgcctgt aaaataatag tccctctgat attaatactt 2220
acctcatgag gttattttaga ggatagtgtt ggtaataatg ccttgtgttt acatcattcc 2280
tttcacagag agctcaaagc actttacatg cattgagaga gaagcttctc gtgaagagta 2340
aatagaagtg ttcacttttt ggaaatgaac ttaggccata agagcctgaa tttaatgcat 2400
tgcaggaaga aatatggtac atagtgatcc agtgggtcaa ctgaattttt tgttccacta 2460
agagtccct cctggctccg tgttttgaatg attaaggaga aataagagtg agtccctaca 2520
cctggatggg aaatcccaca tatgcaattg gaatgggtctc tcacgacaca tgcagagatt 2580
gaagaacagt ctggacattt tttgataacg ttctttgggc cttggtagta gctgaaagac 2640
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gtgatcaagg gcacctagcc ttacgtggca atttagggaa ggtaccttgg aggatgagac 3120
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aaagtttggc cttattgtag cctaaattgt acttaggggt acgagtgaga aaaagggatt 3300
aagataaagg acctgttttg ctgtcttgtt tactgttgaa tagtagtatg aagtaggtcc 3360
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gtccttgcag gcaggctatc caggtaaata aacatggaag gtgatgggag gtaatctggg 3480
ctggaaatac agatttggaa gtcaccccat atcagtgggtg tttaaaatca agagcaaatg 3540
aaattgcaca aggagaatat atagaatgaa caaattacca tgggtgaagc cttgagtaat 3600
acagacattt aagaagcaaa caaaagacaa ggaacccatg agggagactg gaaaggaaaa 3660
aacagagaaa taagaaaaaa tgagaggaga gaattgatac attttctca ggtgtggcat 3720
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cctctctttc aagtcacttg ccttagaaga gaaggaaggg tatggtttct ggggtgcaac 3900
ccaggttcaa gaagcaaaaa aaaaaaaaaa agggcgcccg ctctagagga tccctcgagg 3960
ggccccagct tacgcgtgca tgcgacgtca tagctctctc cctatagtga gtcgta 4016

<210> 2057

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

1316

<221> misc feature
 <222> (541)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<400> 2057
 agctggtacg cctgcaggta ccggtccgga attccccgggt cgacccacgc gtccggaaca 60
 gggaaagaaa gggacagaga tggaaaatcc tattttattg ttttgacttt agacatccag 120
 aaagggttac taactttaaa acttttaaata aagttgccct gtgttgggga agaaatctgg 180
 caatcctagt tactttgaag tcacgctacc ctttttact agagtctccc tgaccaaga 240
 gaacagggaa gggccggtag gatacacata acagtagctc cttttacttg gctggattta 300
 ggtatgccag gagcagggtg cagtattagg ccagaaatct ctggtgggtct ctgcttgctt 360
 ctcatgtcta atgtggtcag ctctccttga ctgtagacca tccagccaaa tccaagctct 420
 gctttttctct tttggactca ggacccatta aactcagtaa cctcattaaa ttctgcctgc 480
 acattttctcc tttcttttct tttctttttt ttttttgaga ccatgtctca aaaaanaaan 540
 nnaaaatata tatatatata gagagagcga gccgagagag agagaga 587

<210> 2058
 <211> 1063
 <212> DNA
 <213> Homo sapiens

<400> 2058
 ggcggaatgt tcaactccta actgcggcgg aaacgtggga gccgcgcggg ccgctgtcgt 60
 cccaaccccc gccgccctcg tcgcgcgcgg ggcctcccg ccccccggctg ctgctcacgc 120
 cccgcccggg agccagattt tgtggaagta taatactttg tcattatgag atgtcgtctc 180
 tcggtgcctc ctttgtgcaa attaaatttg atgacttgca gttttttgaa aactgcgggtg 240
 gaggaagttt tgggagtgtt tatcgagcca aatggatatc acaggacaag gaggtggctg 300
 taaagaagct cctcaaaaata gagaaagagg cagaaatact cagtgtcctc agtcacagaa 360
 acatcatcca gttttatgga gtaattcttg aacctcccaa ctatggcatt gtcacagaat 420
 atgcttctct gggatcactc tatgattaca ttaacagtaa cagaagtgag gagatggata 480
 tggatcacat tatgacctgg gccactgatg tagccaaagg aatgcattat ttacatatgg 540
 aggctcctgt caagggtgatt cacagagacc tcaagtcaag aaacgttggt atagctgctg 600
 atggagtatt gaagatctgt gacttttggt cctctcgggt ccataaccat acaacacaca 660
 tgtccttggt tggaaacttt ccatggatgg ctccagaagt tatccagagt ctccctgtgt 720
 cagaaacttg tgacacatat tcctatggtg tggttctctg ggagatgcta acaagggagg 780
 tcccctttta aggtttggaa ggattacaag tagcttggct tgtagtggaa aaaaacgaga 840
 gattaaccat tccaagcagt tgccccagaa gttttgctga actgttacat cagtgttggg 900
 aagctgatgc caagaaacgg ccatcattca agcaaatcat ttcaatcctg gagtccatgt 960
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<210> 2059
 <211> 2716
 <212> DNA
 <213> Homo sapiens

1317

<400> 2059

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<210> 2060

<211> 2013

<212> DNA

1318

<213> Homo sapiens

<400> 2060

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<210> 2061

<211> 2595

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1009)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2456)

1319

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2533)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2535)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2593)

<223> n equals a,t,g, or c

<400> 2061

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1320

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<210> 2062

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<400> 2062

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tgtaagtga caattgtgta tcttactgat atacaacttt ttcactgtca tacaacatc 180
cccaagggtg tttgtttctg aaaatattac agcattgata ttctgcacat tccgtagctt 240
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acctccttac acac 554

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<210> 2063

<211> 1848

1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (969)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1822)

<223> n equals a,t,g, or c

<400> 2063

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<210> 2064

<211> 487

<212> DNA

<213> Homo sapiens

1322

<220>
 <221> misc feature
 <222> (464)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (471)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (479)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (482)
 <223> n equals a,t,g, or c

<400> 2064
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 cattatcaag ggaaaggcaa gactgggacg tctagtccac aggaagacct gcaccactgt 180
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<210> 2065
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (527)
 <223> n equals a,t,g, or c

<400> 2065
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 ggaaaagacg cagagaagta aaagatcaaa gtctgattgg caccggctcc cattccggct 180
 ccagcctcca atccgacccc catttcgggt gcagcctcgg acctagctcc ggccctcgggt 240
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 gatcccgtag ccagacctca agccatgggt ggtcccttct cccgtctgct gtccgcccgc 360
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 cgaccggaac ctgtacgagc tgccagtga cgacggaggc tgtatcccc gagcgtgag 480
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1323

aagggtttgga aaagacaaac cattgggtttg aagta

575

<210> 2066

<211> 786

<212> DNA

<213> Homo sapiens

<400> 2066

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atgggagctc gttttctttt cctctaggca gagaagaggc gatggcggcg atggcatctc 180
tcggcgccct ggcgtgtctc ctgctgtcca gcctctcccg ctgctcagcc gaggcctgcc 240
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cgaagagcca catccaggcc tgagggcggc accccagccc tgccttctgt tccttcaata 720
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acccaa                                           786

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<210> 2067

<211> 2021

<212> DNA

<213> Homo sapiens

<400> 2067

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ccgtcaacat gatccgctgc ggcctggcct gcgagcgtcg ccgctggatc ctgccccctg 180
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aatgtgggag aaaatcgctg ctgctgagat ggactccaga agaagaaact gtttctccag 780
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ttaaggaaaag caaaatcatt tcctaaatgc atatcatttg tgagaatttc tcattaatat 1260
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1324

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ctattttcatg gtccaaacct gttgccatag ttggtaaggc tttcctttta gtgtgaaata 1380
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tgcaactgta agcagaaaacc tacatatagt taaaatcctg gtctttcttg gtaaacagat 1740
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agcatatata tgatgcatcg gatagggtcat tatgatTTTT taccatttcg acttacataa 1860
tgaaaaccaa ttcattttta atatcagatt attattttgt aagttgtgga aaaagctaata 1920
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcgt a 2021
```

<210> 2068

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<400> 2068

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tttgagattg gagaggctct ttacttgggc attatttctt cctgtttctc cctgatagct 120
ggaatcatcc tctgcttttc ctgctcatcc cagagaaatc gctccaaacta ctacgatgcc 180
taccaagccc aacctcttgc cacaaggagc tctccaaggc ctgggtcaacc tcccaaagtc 240
aagagtggat tcaattccta cancc 265
```

<210> 2069

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

1325

<221> misc feature
 <222> (49)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (67)
 <223> n equals a,t,g, or c

<400> 2069
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 tcatctgagc tcacgctggc tcacacagct ctaggggcct gctcctctaa ctcacagtgg 180
 gttttgtgag gctctgtggc ccagagcaga cctgcataatc tgagcaaaaa tagcaaaagc 240
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 cttcttgac tgtccccaaa cttgctgtca attccgagat ctaatctccc cctacgctct 480
 gccaggaatt ctttcagacc tcaactagcac aagcccgggt gtccttggc aggagaattt 540
 gtagatcatt ctcaactcaa attcctgggg ctgatacttc tctcatcttg caccccaacc 600
 tctgtaaata gatttaccgc atttacggct gcattctgta agtgggcatg gtctcctaata 660
 ggaggagtgt tcattgtata ataagttatt cacctgagta tgcaataaag atgtggtggc 720
 cactctttca tgggtggtggc agcagttaaa aaaaaaaaaa aaaaaaaact cgag 774

<210> 2070
 <211> 2620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (27)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2599)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1326

<222> (2609)

<223> n equals a,t,g, or c

<400> 2070

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gtatgacggg gctgtacgag ctgggtgtggc ggggtgtgca cgcgctgctc tgtctgcacc 180
gcacgctcac ctcttggtc cgcgttcggt tcggcacctg gaactggatc tggcggcgct 240
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cggcagtcgg caggaaccgc cgtcaccacc ggcaccgcg cgggggggtcg tgcctggcag 360
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atatgggcct ggtgatcacc gaggtggagc aggaaccag cttctcggac atcgcgagcc 480
tcgtggtgtg gtgtatggcc gtgggcatct cctacattag cgtctacgac caccaaggta 540
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tgggcctaga ttgttcaaaa tactcaccag aatttgcata tagtaatgac aaagatgatc 660
aagttttaaa ttgccatttg gcagtgaagg tgctgtctgc cggaagatgg aaaagcagat 720
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gatttggatg tagatacgtt agccagttta cttagttcaa atgggtgtcc tgatcctgat 840
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taaagggtgga aaactyatta taaatggaaa gaaagtttta tttccttttt tgtttgatgg 1920
gcagtatgcc atattatacc caaagttstt ttaaaaaata yttccatcaa cyatttttat 1980
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gaaaaccctt atcaacaagt gtacaatact tatctaaaac tatacattta gaatggagca 2400
gtttaatact agatctcaga agttttgaaa aatagcaaag aagactggat ttggaaagca 2460
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aaaaaaaaaa aaaaaattnc tgcggccgnc aagggaattc 2620

```

<210> 2071

<211> 1476

1327

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<400> 2071

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taagcaagca cttacatggt aatcactata tagatccaac ctgtggattt tcttcttatg 180
tccatttaac tagaatatat tatttttaggt ataatttaca aatgtcacac ctaataatct 240
tttataatat accntatttc attaaagttt tgttagagaa gtatctacca cagaggagtt 300
tttgtcattg tgtacgttgt gtatttgaac ccaccatgac agaaagtaaa ttttaggaaa 360
tagttatgag attaagggaa aatctataaa aacaagggtta gcatattctc aacacagata 420
ccaccacttt ctttttccca ttatagacat ggtgaatcca cacagcatac ttcactctctg 480
agctttgttg tgattcctca acacattacc ctaaccagcc agcagtaaca gatttcagag 540
taagataaag cagattctgt cttcattgca aaaagttatt ctcaatggaa gaatggcatc 600
tgatctcata attactagtt tatattaata tagttttttt ctcccttttt aataaaataa 660
ttacagtcac ccctcagtggt ctgtggggga ttgggtccag ttacccttat agataccaaa 720
atctgcagat gctcaagtcg ctgatataaa ctggcatagt agttgcataa aatctatgca 780
cactctctctg tatacattaa gtcactctca gattatttat aacacttaat acaatgtaaa 840
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gtaaaaaaaa aaaaagcctc cctccgtgcc gtcgat 1476

```

<210> 2072

<211> 2224

<212> DNA

<213> Homo sapiens

<400> 2072

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cgggtcgacc cagcgtcccg gagctgcccc gaacaaagat ggcgcgggaa gcgtctgtga 60
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ggccctaaaa ccatggagga gggcggcagc actggcagtg ctggcagtg cagcagcacc 180
agcgggagtg gcggggcgca gcaaaggag ctggagcgca tggctgaggt cttggtcacc 240
ggggaacagc tacggctcag gctgcacgaa gaaaagggtta ttaaagatag acgtcatcat 300
ctcaagacct acccaaaactg ttttgtcgca aaagaactga ttgactggct gattgaacac 360
aaagaggctt ctgacagaga gacggcaatt aaactcatgc agaaattagc agaccggggc 420
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tttagaaaag atgacggcac cttcccattg gataatgaag tgaaggcctt tatgagagga 540
cagaggctat atgaaaagct gatgagccct gaaaacacac tcctgcagcc cagggaggag 600

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1328

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gaaggggtca agtatgagcg caccttcatg gcatctgaat tcctggactg gctgggttcag 660
gaaggtgagg ccaccacgag gaaagaggca gaggagcttt gccaccggct tatggagcat 720
ggcatcatcc agcatgtgtc cagcaagcac ccatttgtgg acagcaatct tctctaccag 780
ttcagaatga acttccggcg gaggcgaaga ctgatggagc tgctcaatga aaagtcccc 840
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aatttttgtt aaatcagctc attttttaac caataggccg aaatcggcaa aatcccttat 2160
aatcaaaaag aatagaccga gatagggttg agtggtgttc cagtttgga caagagtcca 2220
ctat 2224

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<210> 2073

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1329

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (690)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (814)

<223> n equals a,t,g, or c

<400> 2073

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gccccagacc ctgggtgggg gctgtctcgg cactttcacc tccctgctgc tgetggcgctc 180
kacagccatc ctcaatgcgg ccaggataacc tgttccccc gctgtggga agccccagca 240
gctgaaccgg gttgtgggcg gcgaggacag cactgacagc gagtggccct ggatcgtgag 300
catccakaag aatgggaccc accactgcgc aggttctctg ctcaccagcc gctgggtgat 360
cactgctgcc cactgtttca aggacaacct gaacaaacca tacctgttct ctgtgctgct 420
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tctcgagcgc tccatacagt tctcagagcg ggctcctgcc atctgcctac ctgatgcctc 600
tatcmacytc cctccaaaca cccactgctg gatctcagggc tgggggagca tccaagatgg 660
agttcccttg cccaccctca gaccctgcan aagctgaagg ttctatcatc gactcggaag 720
tctgcagcat ctgtactgcg ggagcaagac aggacccatc actgaggaca tgetgtgtgc 780
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```

<210> 2074

<211> 1487

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1330

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1487)

<223> n equals a,t,g, or c

<400> 2074

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gcgtccgatt tgcgggaacg cagagcggag cgtggagagc ggagcgaagc tggataacag 120
gggaccgatg atgtggcgac catcagttct gctgcttctg ttgctactga ggcacggggc 180
ccaggggaag ccatccccag acgcaggccc tcatggccag gggaggggtgc accaggcggc 240
ccccctgagc gacgctcccc atgatgacgc ccacgggaac ttccagtacg accatgaggc 300
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gaagaatttc atgacgtgga ggatgcagag acctacaaaa agatgctggc tcgggacgag 540
cggcggtttc ggggtggccga ccaggatggg gactcgatgg cactcgaga ggagctgaca 600
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaan 1487
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<210> 2075

<211> 2386

<212> DNA

<213> Homo sapiens

<400> 2075

1331

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ccgatcagtt atggctaaat cctgtccatc tgtgtgtcgc tgcgatgcgg gtttcattta 120
ctgtaatgat cgctttctga catccattcc aacaggaata ccagaggatg ctacaactct 180
ctaccttcag aacaaccaa taaataatgc tgggattcct tcagatttga aaaacttgct 240
gaaagtagaa agaataatcc tataccacaa cagtttagat gaatttccta ccaacctccc 300
aaagtatgta aaagagttac atttgcaaga aaataacata aggactatca cttatgattc 360
actttcaaaa attccctatc tgggaagaatt acatttagat gacaactctg tctctgcagt 420
tagcatagaa gagggagcat tccgagacag caactatctc cgactgcttt tctgcccgt 480
aatcacctta gcacaattcc ctgggggtttg cccaggacta tagaagaact acgcttggt 540
gataatcgca tatccactat ttcataacca tctcttcaag gtctcactag tctaaaacgc 600
ctggttctag atggaaacct gttgaacaat catggtttag gtgacaaagt tttcttcaac 660
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1332

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1333

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1334

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<211> 2981

<212> DNA

<213> Homo sapiens

1335

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<220>
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1336

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<210> 2079

<211> 2458

<212> DNA

<213> Homo sapiens

<400> 2079

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```

1337

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ggaaatgaat agccaggcct gacctcaagc aaccatgaac tcagctatta agaaaatcac 1500
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<210> 2080

<211> 2650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 2080

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nngacagtn accggtccga attcgcgcc ggtcgaccgg ncaaggctgg agagcgagg 60
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```

1338

```

gggacccccct ggccttgcctg gtcccgctgg cgagagaggt gaacaaggcc ctgctggctc 180
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tgaacaggggt gttccttgag accttggcgc cctggcccc tctggagcaa gaggcgagag 300
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```

<210> 2081

<211> 2302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1339

<222> (135)

<223> n equals a,t,g, or c

<400> 2081

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actggtattg cggancacga ggcttctgct tactgcaact cgctccggcc gctgggcgta 180
gctgcgactc ggcggagtcc cggcggcgcg tcttgtttct aaccggcgcc gccatgaccg 240
tcgcgcggcc gagegtgccc gcggcgctgc cctcctcggg ggagctgccc cggctgctgc 300
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ggctaaattc tgcattccctc aaacagcctt atatcactca gaattatttt ccagtcggta 600
ctgttgtgga atatgagtgc cgtccagggt acagaagaga accttctcta tcacccaaac 660
taacttgctc tcagaattta aaatggtcca cagcagtcga attttgtaaa aagaaatcat 720
gccctaattc gggagaaata cgaaatggtc agattgatgt accaggtggc atattatttg 780
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aaaaaaaaaa aaaaaaaaaa aa 2302
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<210> 2082

<211> 1958

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1340

<222> (1724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1843)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1850)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1864)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1875)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1907)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1911)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1936)
<223> n equals a,t,g, or c

<400> 2082
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atcagatggc gctgggcgca atgcgcgcga ttaccgagtc cgggctgcgc gttggtgcgg 120
atatctcggg agtgggatac gacgataccg aagacagctc atgttatatc ccgccgttaa 180
ccaccatcaa acaggatgtt cgcttgcgtg ggcaaaccag cgtggaccgc ttgctgcaac 240
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gtgagttagc tcaactatta ggcaccccag gctttacact ttatgcttcc ggctcgtatg 480
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gccaagctct aatacgactc actataggga aagctggtac gcctgcagggt accgggtccgg 600
aattccccgg tgcacccacg cgtccgaccg aaacggacac ggactgaatg ttacttttcc 660
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1341

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acgttcgccc ggctttcccc gtcaagctct aaatcggggg ctncctttan ggttccatt 1860
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aatggggcc cattgnccct gatagaacgg gttttttc 1958

```

<210> 2083

<211> 1247

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1247)

<223> n equals a,t,g, or c

<400> 2083

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ctagaactag tggatcccc gggctgcagg aattcggcac gagccgcgct cctgcctcct 120
gccccagcag gcaggaagaa tgggggctga cctctacctc ggtgctcaag agagaggccc 180
cagctggcag ggaccagaa gagcctggag atgttggtgc tggagacccc aactctgac 240
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gtgagaatga gccactgctg gacctgttg gccctgagcc tctggggcct gagagtcagt 360
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tgcaggagat cacagacaac ctgacgaaga aggagattca gatagagaag atccatttgg 600
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tctatgactt tgaaccagcg ctcaagacgg aggacctgct ggcaacgttt tctgagttcc 720
aagagaaggg gttcaggatt cagtgggtg atgatactca cgcaactcggc atctttccct 780

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1342

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gccckggcctc agctgcggaa gccctgaccc gggagttctc ggtgctcaag atccggcccc 840
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tgggtgaagga gaggccacag acaaatgcga ctgtggcccg gcggctggtg gcccggggcc 960
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aagccttcac agacgccaga gcagccccgc accaccctcg agcttcacca tggggtgtgg 1140
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg ggnncn 1247

```

<210> 2084

<211> 2129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1705)

<223> n equals a,t,g, or c

<400> 2084

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ctggttcttg tttagcccga cgctgtacgt tgattcctgg aatccgcac atgcaccgtt 120
cttcagtgcg gtaggttctt ccatcgctat gacgctgtgg gcttttcttg gtctggagtc 180
tgcgtgtgcg aatactgatg tagtggaana cccggaacgt aatgtgcaa tcgcgggtact 240
cggcggtagc ttaggtgctg cgggtgattta tatcgtctcc accaacgtga ttgccgggat 300
tgtgcaaat atggagctgg caaattcaac ggcaccattt ggtctggcct tcgcgcagat 360
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cttccctaaa attttctccc gtgtaaccaa agtgatgca ccggtgcagg gaatgttgac 540
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cagtatttaa aggcagcaga ggccggggac cgacgcgcac aatattttct tgccgacagc 1620
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gactatccac aagcaaaagt tcttgagag aaagcggcgc aagcgggcag taaagaaggt 1800
gaagtaacgc tggcgcatat tctggtaaat actcaagcgg gtaaacggga ttatccaaag 1860

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1343

```

gcaatttcgc tgtagaaaaa cgcctcggaa gatctggaga acgactctgc cgtcgatgcc 1920
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gcaacctggt atttcaaacg cagctctgca atttcccgaa ccggttattc cgagtactgg 2040
gcggggcccg tacccaattc gccctatagt gagtcgtatt acaattcact ggccgctcgt 2100
ttacaacgtc gtgactggga aaaccaggg                               2129

```

<210> 2085

<211> 788

<212> DNA

<213> Homo sapiens

<400> 2085

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cagtcaggca ccaccacacc cggctaattt tgtatttttt tagtagagac aggggtttctc 120
catgtcggtc agggtagtcc cgaactcctg acctcaagtg atctgcctgc ctccggcctcc 180
caagtgtctg gattacaggc gtgagccact gcacccagcc tagaatcttg tataatatgt 240
aattgtaggg aaactgctct cataggaaag tttcttgctt tttaaatata aaaatacata 300
aaaatacata aaatctgatg atgaatataa aaaagtaacc aacctcattg gaacaagtat 360
taacattttg gaatatgttt tattagtttt gtgatgtact gttttacaat ttttaccatt 420
tttttcagta attactgtaa aatggtatta ttggaatgaa actatatttc ctcatgtgct 480
gatttgtctt atttttttca tactttccca ctggtgctat ttttatttcc aatggatatt 540
tctgtattac tagggaggca ttacagtcct tctaattgtg attaatatgt gaaaagaaat 600
tgtaccaatt ttactaaatt atgcagttta aaatggatga ttttatgtta tgtggatttc 660
atttcaataa aaaaaaactc ttatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa                               788

```

<210> 2086

<211> 1350

<212> DNA

<213> Homo sapiens

<400> 2086

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agtatcgtaa gtaaccaggc tcagccggtt tctcaggccg ctctagtcaa ataaaccata 180
aagatcagac tcgggcttct tcaacttctt ctctccgtgg tttcggcatt agcttccggg 240
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tgtagtacct ctgctgttgt tgggggggtt gtggagcgct gtgggagcgt ccagcctggg 360
tgtcgttact tgcggctccg tgggtgaagct actcaatacg cgccacaacg tccgactgca 420
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gggaaccccc atcaagtgtg gccagcccat ccggctgaca catgtcaaca ctggccgaaa 600
cctccatagt caccacttca cttcacctct ttctggaaac caggaagtga gtgcttttgg 660
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aggagaacaa tatggtcgac ctatcagtggt gcaaaaagag gtgcatggca tggcccagcc 840
aagtcagaac aactactgga aagccatgga aggcatcttc atgaagccca gtgagttggt 900
gaaggcagaa gccaccatg cagagctgtg aatctagagg ctctgagcca ctgttaacgc 960
acaatgttca cagacatctg ttgctgcctc accttgggat ccctgccaca agttccttgg 1020
gcagtggcca tgtcaccatt gagatgaaga tataacaacag aaaaatagtgg ctgtgtttgg 1080

```


1344

```

aagcttcagc cctgcacatt tgaactagtc actctcccag acttgcgtag gtcagttctt 1140
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actgagggaa acatccctct tagctgggaa acttttactc ttcaggagct tggcatcatg 1260
gactgttaat gtatgtgatt ttccccctat tttctctctc caaaatgata aaaacaataa 1320
ttttaaaaaa aaaaaaaaaa aaactcgagg                                     1350

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<210> 2087

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<400> 2087

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tccattttcat gttttttnt tttctctatt atctttgggtg atacatntgn tcagattttt 120
tgctnttttt taagattttt tctttattgt gtgntaagag ttcttggtat atttttagata 180
ccagtccttt ataagatgtg ttgacaaat attttctcct agtctgtggc ttgtcttttc 240
atttttttta aacagtgttt tacagagaag aaaaattttc aattttaatg aagtctacct 300
tatcaatttt ttctttatgg gtcattgatt tcgtgctgtg ttacaaata tattgccaaa 360
caagattttt ttcttcatta tctacaagtt ttacagtttt gaattgtatg tataggctctg 420
tgatactttt tgagttaact tttgtgaaag ataaaagggtc agtgttggat agattatttt 480
tccttttgca tgtggttggt cagcaccatg aagactcttc cttctccact gaattgtctt 540
tgtacttttg ccaaagatca gatttacctc ttaaatcttt gtcaaacctg tccacttctc 600
accatctcca ttttcaatct cttcggacgc gtgggcggac gcgtgggtcg acccggaat 660
tccggaccgg tacctgcagg cgtaccagct ttccctatag tgagtcgtat tagagc 716

```

<210> 2088

1345

<211> 1424

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1415)

<223> n equals a,t,g, or c

<400> 2088

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gaattcggca cgagtggcta tatattttctt cacttgcaat tgcctcatgg ggttcttata 60
aggctgaaat ccaataacgg atacaaaaat actttaaaaa gtaggcattg atttctactg 120
acagccatga gagagtttct agaactagac ctggatggcc ccaaacaact agaaaattgg 180
acaaaagata taataaaaaa actgttttca accattggac agtagtcagc ataggactct 240
tatctttgag agaaggggca aaaacaagat gatccctata agcttcctta atttcttttt 300
tttctttttt tgagacgctg tctccaaaac aaaacaaaag aataggacaa tctcgtattt 360
cctctatcta gactcaacaa ttcttaatat ttgctttatc cctgtctttc tacacatgca 420
tacacatata cacacacagg catacataat tgcataatga caggggtggtt ttgctgatct 480
atlttgaaagt aagtttcaga cattatgaca cctactccta attcctcatg ttttttctaa 540
gaataaggat attatcttac ctaacatatc ttttatcaaa cctacaaaaa ttaacaattt 600
tatatctaat attagttcat gtttaggttt tgccgtgttt cccccaatg tcttttacag 660
tacatgtttt taaaaccagg atctaaggag ttcacagatt atatttggtt attatgtctc 720
tttagtgtct tttggcatcc ttgggttttc tactttttatc ccccatgaca ctgactattg 780
gaagagtcca gaccaatttt ctatttgatt gcttccytgt gtgtatcatt taatttgttc 840
ctctatctca tgtgttttct gttaaactgaa agttaggtgt agagattgag tctaaatatt 900
tttggaagt atatgtcgta ggtaacattt gtgctttata ctgcatcata ttgggagata 960
aataatatta tattgccatc tctgttagtg cagccattag aaagacattg tgccatgtgc 1020
tgtctctttg ctgtgttttg tatctgttga gagccatatt tttataaaaa tcttaaagca 1080
ttgtcctctg tgaagaaaat atattagaaa aattacactt gacagtataa gaattgttga 1140
tttgaataaa tacatgattt ttagaagaca tatgtatgac cagcaggaat agtagcctaa 1200
taggcctttg tttgggacag aatacacttc agatcatcca gaaatctaaa atcaggcctg 1260
tgtgcctttg actggtatct tccatgtggt gttgaagagt ttgagaattt aaaagaaaat 1320
gaattaatac taagcaagac acactttttt ctttgttcct taataaaaaa aaaaaaaaar 1380
actcgagggg ncccttggtg cccganctca agggngcata gtcg 1424
```

<210> 2089

<211> 1226

<212> DNA

<213> Homo sapiens

<220>

1346

<221> misc feature
 <222> (164)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1180)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1197)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1215)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1221)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1224)
 <223> n equals a,t,g, or c

<400> 2089
 ggcacgagcg gcggtggtca atgcgttcta ctccccaaac cgaaaccaga ttgtattccc 60
 tgccgggagc ctccagcccc ccttcttcag caaggagcag ccacaggcct tgaactttgg 120
 aggcattggg atggtgatcg ggcacgarat cagcacggc tttnacgaca atggccggaa 180
 cttcgacaag aatggcaaca tgatggattg gtggagtaac ttctccaccc agcacttccg 240
 ggagcagtca gagtgcattga tctaccagta cggcaactac tcctgggact ggcagacgaa 300
 cagaacgtga gcgctgccac cagcaccag gctgcggggg taccggagcc cyagccctgg 360
 ccctgaggga gagggaaagtc agggccgggg ctgccccaat cctgtctcct gtgcgcagtg 420
 aacggattca acacccttgg ggaaaacatt gctgacaacg gaggggtgcg gcaagcctat 480
 aaggcctacc tcaagtggat ggcagagggg ggcaaggacc agcagctgcc cggcctggat 540
 ctaccccatg agcagctctt cttcatcaac tatgccaggt tgtggtgctg gtcctaccgg 600
 cccgagttcg ccatccaatc catcaagaca gacgtccaca gtcccctgaa gtacagggtta 660
 ctggggtcgc tgcagaacct ggccgccttc gcagacacgt tccactgtgc ccggggcacc 720
 cccatgcacc ccaaggagcg atgccgcgtg tggtagccaa ggccctgccg cgctgtgctg 780
 cccacgcccc cccgctgctc ggaggcatct gtgcgaagggt gcagctagcg gcgacccagt 840
 gtacgtcccg ccccggccaa ccatgccaa gctgcctgcc aggcctctgc gcctggccta 900
 ggggtgcagc acctgcctga caccagggga tgagcagtg ccagtgcagt acctggaccg 960
 gagccccctc cacagacacc cgcggggctc agtgcctccg tcacagctct gtagagacaa 1020
 tcaactgtgt cctgcccacc ctccaagggt cattgtcttc cagtatctac agcttcagac 1080
 ttgagctaag taaatgcttc aaagaaaaaa aaaaaaaaaa tcgagggggg ccggacccaa 1140
 tygccttagg agcgatacat tcattggcgc gttwaacgcn gactggaaac ctgggtncca 1200
 cttatcgctt gaganatccc nttnc 1226

1347

<210> 2090
 <211> 1632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1602)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1616)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1617)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1628)
 <223> n equals a,t,g, or c

<400> 2090
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 cgaccaaggg gctgcggctt ctctttgatg gcatgcccc cctcctcatg tccatcccca 120
 gccccttccg tggacggctc tgtggcctct gtgggaactt caatggcaac tggagtgcag 180
 actttgtcct gcccaatggc tcagcagcgt ccagtgtgga gaccttcggg gctgcatggc 240
 gggcgcccg ctccctccaag ggctgtggcg agggctgcgg gcccgaaggc tgcccagtg 300
 gcttggcaga ggagactgca ccctatgaga gcaacgaggc ctgcgggcag ctccggaacc 360
 cccagggccc cttcgcgacc tgccaggcgg tgcctgagtc ctctgagtac ttccgccaat 420
 gcgtatacga cctgtgcgcg caaaaggggtg acaaagcctt cctgtgccgc agcctggcag 480
 cctacacggc ggctgtcag gcagctggcg tggccgtgaa gccctggagg acagacagct 540
 tctgcccgt ccattgcccc gccacagcc actactccat ctgcactcgc acctgccagg 600
 gatcctgtgc ggctctctcc ggccctcagc gctgcaccac ccgtgtttt gagggctgtg 660
 agtgcgacga ccgyttcctg ctttcccagg gtgtctgcat ccctgtccaa gattgtggct 720
 gcacccataa tggccgatac ttgccggtaa actcctccct gctgacctca gactgcagcg 780
 agcgtgttc ctgttctca agctctggcc tgacatgcca ggcagctggc tgcccaccag 840
 gccgtgtatg tgaggtcaag gctgaagccc ggaactgctg ggccaccgct ggtctctgtg 900
 tcctgtctgt ggggtccaac ctcaccacct ttgatggggc ccgtgggtgc accacctctc 960
 ctgggtgtcta tgagctctct tcccgctgcc caggactaca gaataccatc ccctgggtacc 1020
 gtgtagtgtc cgaagtccag atctgccatg gcaaacggga ggctgtgggc cagggtccaca 1080
 tcttcttcca ggatgggatg gtgacgttga ctccaaacaa ggggtgtgtg gtgaatggtc 1140

1348

```

tccgagtgga tctcccagct gagaagttag catctgtgtc cgtgagtcgt acacctgatg 1200
gctccctgct agtccgccag aaggcagggg tccaggtgtg gcttggagcc aatgggaagg 1260
tggctgtgat tgtcagcaat gaccatgctg ggaaactgtg tggggcctgt ggaaactttg 1320
acggggacca gaccaatgat tggcatgact cccaggagaa gccagcgatg gagaaatgga 1380
gagcgcagga cttctcccca tgttatggct gatcagtcac ccaccaggaa cgaagatttc 1440
ctgaagaaga cctggtcctt ctggagggtg crgtggctga aggatgcac atgtgctcct 1500
accctgctct accgcttttc tgggtcacag aggccaaatg tgagagcatt gaataaatat 1560
cttaagctaa aaaaaaaaaa raaaaagggc cgataagggc anagggccct tggcannag 1620
attccccgntt cc 1632

```

<210> 2091

<211> 2429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2406)

<223> n equals a,t,g, or c

<400> 2091

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tcgccagctc gaaattaacc ctactaaaag ggaacaaaag ctggagctcc accgcggtgg 60
cggccgctct agaactagtg gatcccccg gctgcaggaa ttcggcacga gtaactgcaa 120
tctggaagat ttggataatt ggacagcact tataatctgca tcgaaagaag ggcattgtgca 180
catcgtagag gaactactga aatgtggggt taacttggag caccgtgata tgggaggatg 240
gacagctctt atgtgggcat gttacaaaag cgtactgac gtagtagagt tgcttctttc 300
tcatggtgcc aatccaagtg tcactggtct gtacagtgtt tacccaatca tttgggcagc 360
agggagaggc catgcagata tagttcatct tttactgcaa aatggtgcta aagtcaactg 420
ctctgataag tatggaacca cccctttagt tttggctgca cgaaagggtc atttggaatg 480
tgtgaaacat ttattggcca tgggagctga tgtggatcaa gaaggagcta attcaatgac 540
tgcacttatt gtggcagtga aaggagggtta cacacagtca gtaaaagaaa ttttgaagag 600

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1349

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gaatccaaat gtaaaacttaa cagataaaga tggaaatata gctttgatga ttgcatcaaa 660
ggaggggacat acggagattg tgcaggatct gctcgacgct ggaacatatg tgaacatacc 720
tgacaggagt ggggatactg tgttgattgg cgctgtcara ggtggtcatg ttgaaattgt 780
tcgagcgctt ctccaaaaat atgctgatat agacattaga ggacaggata ataaaactgc 840
tttgatttgg gctgttgaga aaggaaatgc aacaatggtg agagatatct tacagtgcaa 900
tcttgacact gaaatatgca caaaggatgg tgaaacgcca cttataaagg ctaccaagat 960
gagaaacatt gaagtgggtg agctgctgct agataaagggt gctaaagtgt ctgctgtaga 1020
taagaaagga gatactycct tgcataattgc tattcgtgga aggagccgga aactggcaga 1080
actgctttta agaaatccca aagatgggag attactttat aggcccaaca aagcaggcga 1140
gactccttat aatattgact gtagccatca gaagagtatt ttaactcaaa tatttggagc 1200
cagacacttg tctcctactg aaacagacgg tgacatgctt ggatatgatt tatatagcag 1260
tgccctggca gatattctca gtgagcctac catgcagcca cccatttgtg tggggttata 1320
tgcacagtgg ggaagtggga aatctttctt actcaagaaa ctagaagacg aaatgaaaac 1380
cttcgcccga caacagattg agcctctctt tcagttctca tggctcatag tgtttcttac 1440
cctgctactt tgtggaggggc ttggtttatt gtttgccctc acggtccacc caaatcttgg 1500
aatagcagtg tcactgagct tcttggctct cttatatata ttctttattg tcatttactt 1560
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aagacatatt ggatatttgg aactcctcct taaattgatg tttgtgaatc cacctgagtt 1680
gccagagcag actactaaag ctttacctgt gaggtttttg tttacagatt acaatagact 1740
gtccagtgtg ggtggagaaa cttctctggc tgaaatgatt gcaaccctct cggatgcttg 1800
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cgttacccaa cttaatcgcc ttgcagcaca tccccctttc gccagctggc gtaatagcga 2040
agaggccccgc accgatcgcc cttcccaaca gttgcgcagc ctgaatggcg aatggcaaat 2100
tgtaagcggt aatattttgt taaaattcgc gttaaatttt tgttaaatca gctcattttt 2160
taaccaatag gccgaaatcg gcaaaatccc ttataaatca aaagaataga ccgagatagg 2220
gttgagtgtt ggtccagttt ggaacaagag tccactatta aagaacgtgg acttcaacgt 2280
caaaagggcg aaaaacccgt ntatcanggc gatggcccac tacgtggaac cattaccctt 2340
aatcaagggt tttttggggg tcnaagggtg ccntaaaggc acttaaaatc ggggaccccc 2400
ttaaanggga gccccccga ttttaaaaa 2429

```

<210> 2092

<211> 902

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (834)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (864)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (894)

<223> n equals a,t,g, or c

1350

<400> 2092

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gggtcgaccc acgcgtccgc ccaagctcat ggtttgcccc cgggcaccca ctgtacacac 120
gcctgcccc cagcgccctg caagttctgt cggcccaggg gactcaggcg ttgcaggcag 180
cccagaggag cgcccagtg gcaataaacc gagtggcgat ggagatccag cacagatcgc 240
acgagtgcgc aggatctggg cgccccaggc ctcaagctct cctccaggac ccacctgagc 300
cagggccgtg cggcgagagg cgtccgagca ctgccaatgt gacgcggggc cacggccgca 360
tcgtgggggg cagcgcgggc cgccccgggg cctggccctg gctgggtgagg ctgcagctcg 420
gcgggcagcc tctgtgcggc ggcgtctgtg tagcggcctc ctgggtgctc acggcagcgc 480
actgctttgt aggcgccccg aatgagcttc tgtggactgt gacgctggca gagggggtccc 540
ggggggagca agcggaggag gtgccagtga accgcatect gccccacccc aagtttgacc 600
cgcggacctt ycacaacgac ctggccctgg tgcarctgtg gacgcgggtg acccgggggg 660
atcggcgcgc cccgtgtgcc tgcccaggag ccccaggagc cccctgccgg aaccgscgts 720
gccatcgcgg gctggggcgc cctyttcgaa gacgggcctk aggctkaagc artgagagag 780
gcccstgttc cctgtstcag caccgacacc tgccgaagag ccttgggggc cggngctgcgc 840
cccagcacca tgctctgcgc cganacctgg cggcgggcgt tgactcgtgc cagngtgact 900
cg

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<210> 2093

<211> 1815

<212> DNA

<213> Homo sapiens

<400> 2093

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gcgtggatcc aagatggcga cggcgatgga ttggttgccg tggctctttac tgcttttctc 60
cctgatgtgt gaaacaagcg ccttctatgt gcctggggtc gcgcctatca acttccacca 120
gaacgatccc gtagaaatca aggctgtgaa gctcaccagc tctcgaaccc agctacctta 180
tgaatactat tcaactgccct tctgccagcc cagcaagata acctacaagg cagagaatct 240
gggagagggtg ctgagagggg accggattgt caacacccct ttccagggtc tcatgaacag 300
cgagaagaag tgtgaagtgc tgtgcagcca gtccaacaag ccagtgaccc tgacagtgga 360
gcagagccga ctctgtggccg agcggatcac agaagactac tacgtccacc tcattgctga 420
caacctgcct gtggccacccc ggctggagct ctactccaac cgagacagcg atgacaagaa 480
gaaggaaaagt gatatacaaat gggctctcgc tgggacactt acctgaccat gagtgcgctc 540
cagatccact ggttttctat cattaactcc gttgttgtgg tcttcttctc gtcagggtatc 600
ctgagcatga ttatcattcg gacctccgg aaggacattg ccaactacaa caaggaggat 660
gacattgaag acaccatgga ggagtctggg tggaaagtgg tgcaacggcg cgtcttcagg 720
ccccccccag taccatga tcctcagctc cctgctgggc tcaggcatc agctgttctg 780
tatgatcctc atcgtcatct ttgtagccat gcttgggatg ctgtcgcct ccagccgggg 840
agctctcatg accacagcct gcttctctt catgttcatg ggggtgtttg gcggattttc 900
tgctggccgt ctgtaccgca ctttaaaagg ccatcggtgg aagaaaggag ccttctgtac 960
ggcaactctg taccctgggtg tggtttttgg catctgcttc gtattgaatt gcttcatttg 1020
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gttcgggatc tccctgcccc tctgtactt gggctactac ttcggcttcc gaaagcagcc 1140
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catgaaccga tttgtgggca tcctcatggc tgggatcttg cccttcggcg ccatgttcat 1260
cgagctcttc ttcattctca gtgctatctg ggagaatcag ttctattacc tctttggctt 1320
cctgktcctt gttttcatca tcctggtgg atcctgttca caaatcagca tcgtcatggg 1380
gtacttccag ctgtgtgcag aggattaccg ctgggtgggtg agaaatttcc tagtctccgg 1440
gggctctgca ttctacgtcc tggtttatgc catcttttat ttcgttaaca agtgactgca 1500
gcgccaagcg gcatccacca agcatcaagt tggagaaaaa ggaacccaag cagtagagag 1560

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1351

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cgatattgga gtcttttggt cattcaaatc ttggattttt ttttttcctt aagagattct 1620
cttttttaggg ggaatgggaa acggacacct cataaagggg tcaaagatca tcaatttttc 1680
tgacttttta aatcattatc attattattt ttaattaaaa aaatgcctgt atgccttttt 1740
ttggtcggat tgtaaataaa tataaccattg tcctacaaaa aaaaaaaaaa aaaaaaactt 1800
ctcggccgca aggaa 1815

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<210> 2094

<211> 5459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3960)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3961)

<223> n equals a,t,g, or c

<400> 2094

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1352

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1353

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<210> 2095

<211> 2085

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (2062)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2065)

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<220>

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<222> (2084)

<223> n equals a,t,g, or c

<400> 2095

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1354

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<210> 2096

<211> 1781

<212> DNA

<213> Homo sapiens

<400> 2096

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1355

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<210> 2097

<211> 3095

<212> DNA

<213> Homo sapiens

<220>

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<222> (3049)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3072)

<223> n equals a,t,g, or c

<400> 2097

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1356

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<210> 2098

<211> 1414

<212> DNA

<213> Homo sapiens

<400> 2098

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1414

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1358

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<211> 1186

<212> DNA

<213> Homo sapiens

<400> 2100

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1359

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<211> 3109

<212> DNA

<213> Homo sapiens

<400> 2101

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1360

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<210> 2102

<211> 1438

<212> DNA

<213> Homo sapiens

<400> 2102

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<210> 2103

<211> 2443

<212> DNA

<213> Homo sapiens

<400> 2103

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1361

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<211> 2519

<212> DNA

<213> Homo sapiens

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<222> (1349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2519)

<223> n equals a,t,g, or c

1362

<400> 2104

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```

<210> 2105

<211> 1312

<212> DNA

<213> Homo sapiens

<400> 2105

1363

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gtgaccaaga ggaacagAAC acagagcagc ctggcagtgt ccaagcaaca agcctccgct 180
cctccttctt gcaccttggg gctcctgaaa ctcacatggg taaaaaagat acagtaaaga 240
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gctgttctct agtgtcaact atctgggggg gacattccca gtgtatcaga agagcaggaa 480
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```

<210> 2106

<211> 1871

<212> DNA

<213> Homo sapiens

<400> 2106

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ggagcttggg tgagcaagggt tggaggatgat tctgccccct tccccaggct ttctgtatta 180
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tcatggtttt actgaagttg ctagaagttt acagaaaagg aagtgcagga acatttcaca 360
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1364

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```

<210> 2107

<211> 1309

<212> DNA

<213> Homo sapiens

<400> 2107

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cccaggagtt tcaaagaagc gctagtaagg tctctgagat ccttgcacta gctacatcct 180
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gccagcacca tagcagagta cataagtggc tatcagagaa gccagccgat atggattggc 480
ctgcacgacc cacagaagag gcagcagtggt cagtggattg atggggccat gtatctgtac 540
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```

<210> 2108

<211> 943

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

1365

<221> misc feature

<222> (866)

<223> n equals a,t,g, or c

<400> 2108

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ggccctctcc tacactctgg ccagagatac cacagtcaaa cctggagcca aaaaggacac 180
aaaggactct cgacccaaac tgccccagac cctctccaga ggttgggggtg accaactcat 240
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aaataaagaa atccagaaat tggcagagca gtttgctctc ctcaatctgg tttatgaaac 420
aactgacaaa cacctttctc ctgatggcca gtatgtcccc aggattatgt ttgttgacct 480
atctctgaca gttagagccg atatcactgg aagatattca aaycgtctct atgcttacga 540
acctgcagat acagctctgt tgcttgacaa catgaagaaa gctctcaagt tgctgaagac 600
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aaaaaaagtt ttgcccccaa ggggacgggt tacaattggg ggg 943

```

<210> 2109

<211> 1377

<212> DNA

<213> Homo sapiens

<400> 2109

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gtcagtcctc tggggaagaa actaaatgtc acaacggcct ggaaagcaca gaaccagta 360
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aatcacgtta gacttcagac ctctggggat tctttccgtg tcttgaaaga gaatttttaa 1260
attattttaat aagaaaaaat ttatattaat gattgtttcc tttagtaatt tattgttctg 1320
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```

1366

<210> 2110

<211> 788

<212> DNA

<213> Homo sapiens

<400> 2110

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gccgccaccc gaacagcctg tccctggtgcc ccggtccctt gccccgcgcc cagtcatgac 120
cctgcgcccc tcactcctcc cgctccatct gctgctgctg ctgctgctca gtgcggcggt 180
gtgccggggt gaggtggggc tcgaaaccga aagtcccgtc cggaccctcc aagtggagac 240
cctggtggag cccccagAAC catgtgccga gcccgctgct tttggagaca cgcttcacat 300
acactacacg ggaagcttgg tagatggacg tattattgac acctccctga ccagagaccc 360
tctggttata gaacttggcc aaaagcaggt gattccaggt ctggagcaga gtcttctcga 420
catgtgtgtg ggagagaagc gaagggcaat cattccttct cacttggcct atggaaaacg 480
gggatttcca ccatctgtcc cagcggatgc agtgggtcag tatgacgtgg agctgattgc 540
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cccaaagtct ccaaaaaagaa gctcaaggaa gagaaacgaa acaagagcaa aaagaaataa 720
taaataataa atttttaaaaa acttaaaaaaa aaaaaaaraa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaa                                     788

```

<210> 2111

<211> 1019

<212> DNA

<213> Homo sapiens

<400> 2111

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aaactcacga caccaaggag atccagggtta aaaagtacaa gtgtggcctc atcaagccct 180
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```

<210> 2112

<211> 975

<212> DNA

<213> Homo sapiens

1367

<400> 2112

```

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caaaaagggt gccgcctttg agctggtctt catagtcttg gctgagcact acaaggtggt 180
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cgggagggctg caaggagggc tcacagctcg aagaaccatc atcatcaagg gctatgtgcc 480
tcccacaggc aagagctttg ctatcaactt caaggtgggc tcctcagggg acatagctct 540
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```

975

<210> 2113

<211> 1173

<212> DNA

<213> Homo sapiens

<400> 2113

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1173

<210> 2114

<211> 1708

<212> DNA

<213> Homo sapiens

1368

<220>

<221> misc feature

<222> (1109)

<223> n equals a,t,g, or c

<400> 2114

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gggtgatatt aagccaggga agcaactggg accctgaaaa ctgtccctcc ccagcccgtc 1560
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tatattatca aaatgttttt atattaaaaa tgtttggtct gaaaattaaa agcacttcat 1680
ttagaaaaaa aaaaaaaaaa aaaaaaaaaa 1708

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<210> 2115

<211> 1877

<212> DNA

<213> Homo sapiens

<400> 2115

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cctgaaggga gagcagggag agagaggaca gtggccagag agggctcttg gcactggagg 60
gacgtctctt ttctgcccc ggggtccctg ggccgatggg atcacgcaga agaatgcgag 120
agaagcagcc tttagaaagg gaagtcaacta tcccagagcc cagactgagc gcatggagt 180
gaggaagtac ggccttgga gactggcggg gacagttata ggaggagctg ctcagagtaa 240
atcacagact aaatcagact caatcacaaa agagttcctg ccaggccttt acacagcccc 300
ttcctccccg ttcccgccct cacagggtgag tgaccaccaa gtgctaaatg acgccgaggt 360
tgccgccctc ctggagaact tcagctcttc ctatgactat ggagaaaacg agagtgamtc 420
gtgctgtacc tccccgccct gccacagga cttcagcctg aacttcgacc gggccttcct 480
gccagccctc wacagcctcc tctttctgct ggggctgctg ggcaacggcg cgggtggcagc 540

```

1369

```

cgtgctgctg agccggcgga cagccctgag cagcaccgac accttcctgc tccacctagc 600
tgtagcagac acrcctgctgg tgcctgacact gccgctctgg gcagtggacg ctgccgtcca 660
gtgggtcttt ggctctggcc tctgcaaagt ggcaggtgcc ctcttcaaca tcaacttcta 720
cgcaggagcc ctctgctgg cctgcatcag ctttgaccgc tacctgaaca tagttcatgc 780
caccagctc taccgcccgg ggcccccgcc ccgcgtgacc ctcacctgcc tggctgtctg 840
ggggtctctg ctgcttttctg cctccccaga cttcatcttc ctgtcggccc accacgacga 900
gcgcctcaac gccacccact gccaatataa cttcccacag gtggggccgca cggctctgctg 960
ggtgctgcag ctgggtggctg gctttctgct gcccctgctg gtcattggct actgctatgc 1020
ccacatcctg gccgtgctgc tggtttccag gggccagcgg cgcttgcggg ccatgcccgt 1080
ggtggtggtg gtcgtggtgg cctttgccct ctgctggacc ccctatcacc tgggtggtgct 1140
ggtggacatc ctcatggacc tgggcgcttt ggcccgaac tgtggccgag aaagcaggggt 1200
agacgtggcc aagtcggtca cctcaggcct gggctacatg cactgctgcc tcaaccgcgt 1260
gctctatgcc tttgtagggg tcaagttccg ggagcggatg tggatgctgc tcttgcgcct 1320
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ctggtctgag acctcagagg cctcctactc gggcttgtga ggccggaatc cgggctcccc 1440
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agccacagcc caggcctcca gctcagcagt gactgtggcc atggtcccca agacctctat 1800
atctgtctt ttatttttat gtctaaaatc ctgcttaaaa cttttcaata aacaagatcg 1860
tcaggaaaaa aaaaaaa 1877

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<210> 2116

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (827)

<223> n equals a,t,g, or c

<400> 2116

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ggcacgagag atggcggcgc aacagcggga ctgcgggggt gctgcgcagc tggcggggcc 60
ggcggcggag gctgaccccc taggacgctt cacgtgtccc gtgtgcttag aggtgtacga 120
gaagccggtg caggtgccct gcggacacgt cttttgctct gcatgcctgc aggaatgtct 180
gaagccgaag aagcctgtct gtgggggtgt tcgcagcgcct ctggcacctg gcgtccgagc 240
cgtggagctc gagcggcaga tcgagagcac agagacttct tgccatggct gccgtaagaa 300
tttcttctg tccaagatcc ggtcccacgt ggctacttgt tccaaatacc agaattacat 360

```

1370

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catggaaggt gtgaaggcca ccattaagga tgcattctctt cagccaagga atgttcctaaa 420
ccgttacacc ttctcttggt cttactgtcc tgagaagaac tttgatcagg aaggacttgt 480
ggaacactgc aaattattcc atagcacgga taccaaactc gtggtttggt cgatatgtgc 540
ctcgatgccc tggggagacc ccaactaccg cagcgccaac ttcagagagc acatccagcg 600
ccggcaccgg ttttcttatg acacttttgt ggattatgat gttgatgaag aggacatgat 660
gaatcagggt ttgcagcgct ccatcatcga ccagtgcgca ggtccgtgc ttgctatctg 720
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgaaaa aaaaaaagg 780
gggggggnccc ggttacccca atttcggccc tattaggtna agtcgtna 828

```

<210> 2117

<211> 2520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2520)

<223> n equals a,t,g, or c

<400> 2117

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ggcacgagca cttcctggcc aggaaacctg agcgggtgaga ctcccagctg cctacatcaa 60
ggccccagga catgcagaac cttcctctag aaccgcagcc accaccatga ggtcctgcct 120
gtggagatgc aggcacctga gccaaggcgt ccagtgggtc ttgcttctgg ctgtcctggg 180
cttcttttctc ttgccttggt cctcttttat taaggagcct caaacaagc cttccaggca 240
tcaacgcaca gagaacatta aagaaagggt tctacagtcc ctggcaaagc ctaagtccca 300
ggcacccaca agggcaagga ggacaacat ctatgcagag ccagtgccag agaacaatgc 360
cctcaacaca caaaccagc ccaaggccca caccaccgga gacagaggaa aggaggccaa 420
ccaggcaccg ccggaggagc aggacaagggt gccccacaca gcacagaggg cagcatggaa 480
gagcccagaa aaagagaaaa ccatggtgaa cacactgtca cccagagggc aagatgcagg 540
gatggcctct ggcaggacag aggcacaatc atggaagagc caggacaca agacgacca 600
aggaaatggg ggccagacca ggaagctgac ggccctcagg acggtgtcag agaagcacca 660
gggcaaagcg gcaaccacag ccaagacgct cattcccaaa agtcagcaca gaatgctggc 720
tcccacagga gcagtgtcaa caaggacgag acagaaagga gtgaccacag cagtcatccc 780
acctaaggag aagaaacctc aggccacccc acccctgct cctttccaga gccccacgac 840
gcagagaaac caaagactga aggcgcgcaa cttcaaactc gagcctcggg gggattttga 900
ggaaaaatac agcttcgaaa taggaggcct tcagacgact tgccctgact ctgtgaagat 960
caaagcctcc aagtcgctgt ggtccagaa actctttctg cccaacctca ctctcttct 1020
ggactccaga cacttcaacc agagtgagtg ggaccgcctg gaacactttg caccaccctt 1080
tggtctcatg gagctcaact actccttggt gcagaagggtc gtgacacgct tccctccagt 1140
gccccagcag cagctgtctc tggccagcct ccccgctggg agcctccggg gcacacctg 1200
tgccgtggtg ggcaacgggg gcacccgaa caactccac atgggcccagg agatagacag 1260
tcacgactac gtgttccgat tgagcggagc tctcattaaa ggctacgaac aggatgtggg 1320
gactcggaca tccttctacg gctttaccgc cttctccctg acccagtcac tccttatatt 1380
gggcaatcgg ggtttcaaga acgtgcctct tgggaaggac gtccgctact tgcacttct 1440
ggaaggcacc cgggactatg agtggttga agcactgctt atgaatcaga cggatgatgtc 1500
aaaaaacctt ttctggttca ggcacagacc ccaggaagct tttcgggaag ccctgcacat 1560
ggacagggtac ctgttgctgc acccagactt tctccgatac atgaagaaca ggtttctgag 1620
gtctaagacc ctggatggtg cccactggag gatataccgc cccaccactg gggccctcct 1680
gctgctcact gcccttcagc tctgtgacca ggtgagtgtc tatggcttca tcaactgaggg 1740
ccatgagcgc ttttctgatc actactatga tacatcatgg aagcggctga tcttttacat 1800
aaacatgac ttcaagctgg agagagaagt ctggaagcgg ctacacgatg aagggataat 1860

```

1371

ccggctgtac cagcgtcctg gtcccggaac tgccaaagcc aagaactgac cggggccagg 1920
gctgccatgg tctccttgcc tgctccaagg cacaggatac agtgggaatc ttgagactct 1980
ttggccatth cccatggctc agactaagct ccaagccctt caggagttcc aagggaacac 2040
ttgaaccatg gacaagactc tctcaagatg gcaaattggct aattgaggtt ctgaagttct 2100
tcagtacatt gctgtaggtc ctgaggccag ggatttttaa ttaaatgggg tgatgggtgg 2160
ccaataccac aattcctgct gaaaaacact cttccagtcc aaaagcttct tgatacagaa 2220
aaaagagcct ggattttacag aaacatatag atctggtttg aattccagat cgagtttaca 2280
gttgtgaaat cttgaaggta ttacttaact tcactacaga ttgtctagaa gacctttcta 2340
ggagttatct gattctagaa ggggtctatac ttgtccttgt ctttaagcta tttgacaact 2400
ctacgtgttg tagaaaactg ataataatac aaatgattgt tgtccatgga aaggcaaata 2460
aattttctac agtgaagatg caaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2520

<210> 2118

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (602)

<223> n equals a,t,g, or c

1372

<220>
<221> misc feature
<222> (627)
<223> n equals a,t,g, or c

<400> 2118
ggntagncaa ntcnctccca tgattacgcc aagctctaata acgactcact atagggnttt 60
gttggtagcg ctgcaggtac cggtcggaa ttcccgggtc gacccacgcg tccgattttc 120
ttcagacaaa actgctcttg tgcaatattt tatgctcagt gagcaaattg tgtatttatg 180
tttatcaatt tgttctcaag gtggctgtct acagacattt gaccaagaca tacatctgat 240
ttacctgtg tttttttttt attggtgttt ttttttaaga cagagattca gtctgtcacc 300
caggctggag tgctgtgggtg tgatcttagc tcaactgcaac ctccgcctcc caggttcaag 360
caatttttct gcctcagcct cccgagtacc tgggactata tgtgcgcacc accacgcctg 420
gctaattttt tgtattttta gtagagatgg ggtttcacca tgttggctgg gctgggtctc 480
aactcctaac ctcaagtgat ccacccgcct cagcctccca aagtgtctggg attacaggtg 540
tgagccactg caccacgcct accttggctg tttgngtctg ggagggtttt ttttttctat 600
tnttattttt tcatgaaaat tattggnggg ccactgaaag tccccacaca caaaagcctt 660
tattctatat aatttataaa cacaattca tg 692

<210> 2119
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>

1373

<221> misc feature
 <222> (363)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (374)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (444)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (474)
 <223> n equals a,t,g, or c

<400> 2119
 gggcatggtn gtgcatgcct gtaattccag ctactcggga ggctgaggca ggagaattgc 60
 ttgaaccggy gagacggagg ttgcagtgac ccgagatcat gccagtgcac tccagcctgg 120
 gtgacagagt gagactctgt ctcaaaaaaa taaaaaataa ataataaata ataataataa 180
 taaaataaaaa ataactgcaa caagccccta gattgacttg aagcctctgt ctgaactgct 240
 ggcggggatcc ccancctccc ccatgtgcct gttcatggca tgcagaggtc agncccttgc 300
 ttcaagcctc ggaccagagt gggccatctc ggtagcata ngacacaang acagaagcat 360
 tgnctcaag tttntcgaga catgtttgcc cctggaagcg gtgattttgg ccatcattgc 420
 tgnaagactt gtcacgggg cagnatctta ncatcangca tttgctgtcg cggn 474

<210> 2120
 <211> 204
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

1374

<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)

1375

<223> n equals a,t,g, or c

<400> 2120

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tataccacaa atgcagccng gnggagtaca agctcctgnt atacaacagg tgctggctcc 60
nnttcctgga gggatttcac cacagacagg tggcatcatc cagnctnagn aaatctaatt 120
tacaggaaat aaagactcaa gatataccta cgacagtggc agnacctaca ccagnccaaa 180
gcacagataa ctgcaactgg ncag                                     204
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<210> 2121

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 2121

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aattcggcag agttgtgggc cgaagaatat gctcatgtgg tggtgaggaa agcagacatt 60
gacctacca agagggcggg agaactcact gaggatgagg tggaacgtgt gatcaccatt 120
atgcagaatc cacgccatac aagatcccag actgggttctt gaacagacag aaggatgtaa 180
aggatggaaa atacagccag ccttcgtgtc cgaggccagc acaccaagac cactggccgc 240
cgtggccgca ccgtgggttt gtccaagagg aattaagttt ttaggccttg tctgttaata 300
aatagtttat atacctnaaa aaaaaaaaaa aaatttnggg gggggncccc gtaccattt 360
gcccttn                                     367
```

<210> 2122

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

1376

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

<400> 2122
gggggtgcct gtacccccca gcctggctgg catcatgcag aggaccttcg cctggctggt 60
ggaccgcgtg cagcacctgg gtgcccctgt cacccttcgc gcctcttatc tggagatcta 120
caatgagcag gtctcagccg tcgaaggaac tcagcccaca ccctgaacca ggctccagc 180
cgaagccatg ccctgctcac cctttacatc agctccaaaa aaaaaaatna attntttatn 240
nnc 243

<210> 2123
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<400> 2123
ggaaagatag atcctgacca gacagtaatc agagctgagt ctttggatgg tggtagacacc 60
agttctacag ttgtagaatc tcaagagggg ctttctggca ctcatgtccc agagtcttct 120

1377

gattgttgtg aaggttttat taatactttt tcaagcaatg atatggatgg gcaagactta 180
gattacttta atattgatga acgcgcaaaa atggccact aattagtgat gctgaacttg 240
atgcctttct gacagaacan tatcttcnga ccactaacat aaatcttttg aanaaaatgt 300
taaatagactc taaatcg 317

<210> 2124

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

1378

<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 2124
gaatcctnnt ggaaaaccnc tcactatagt naaagctggt acncctgcag gtaccgggtcc 60
ggaattcccg ggtcgaccca cgcgtccgca ccgggcactt ccaccaacgg caaagnccctg 120
gctgccactg caccactcc tggcatcccc atcctgcagn ctgnaccctc cgccccacccc 180
cccaaagccc agncagtttc tcccgtgcag gccccgcccc cggggtggctc annccagctg 240
ctgcctggga aggtcctant gcctctggcc gnccctagca tgtcagtgcg gggngggaggg 300
gccggg 305

<210> 2125
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

1379

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 2125
gggcaactat tatctcaagt tcagtgtggt gagtgacaag aatcatatgc actttggggc 60
tatcactngn gccatgggta ttcgcttcaa gtcttactgc tccaaccttg ttcgcacttt 120
gatggttgat ccttctcaag aagttcagga aaattataac ttntgctcc agcttcaaga 180
ggagctgctg aaggaattaa gacatggtga gaagatatgt gacgngtata acgctgncat 240
ggacgtgggt aaaaagnaga agccagaact gntgaacana aattaccnaa aacctagggt 300
tagggatggg aattgaatcc cgtgaaggct 330

<210> 2126
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1380

<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (317)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<400> 2126
ggcacgagct cgtgccgaat tcggcacgag cccaaacgga gccacgtgag gacgtctttg 60
gggatgtgtc tccaagaaaa gtgtgggctg ccttcctcac cctggatgcc tgtgggctgc 120
cttcctcacc ntggatgcct gtgggctgcc ttccctcacc tggatgcctg tgggcagcct 180
tcctcaccct ggatgcctgt gggctgcctt ctccacctgg atgnctgtgg gctgccttcc 240
tcaacctgga tgctgtgggc agctttctca acctggatgc tgtgggctgc ttncctcaacc 300
tggntgactg tgggcannct ttcntaacct gga 333

<210> 2127
<211> 264
<212> DNA
<213> Homo sapiens

<220>
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<222> (203)
<223> n equals a,t,g, or c

1381

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
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<222> (253)
<223> n equals a,t,g, or c

<220>
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<222> (262)
<223> n equals a,t,g, or c

<220>
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<222> (264)
<223> n equals a,t,g, or c

<400> 2127
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gcgggcagcg actcggggga cagcccggcc agcagctgca gcagtagcga ggactcagag 120
cagcggggag tcggcgccgg gggtcccgag gagggcgcg cccctgccac ctcgggccgag 180
aggactaatg ggggtgcgga ccncgcctgg gcttttctga cattcactnc aactctcgca 240
acacgttcca ggntgagccg cngn 264

<210> 2128
<211> 667
<212> DNA
<213> Homo sapiens

<220>
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<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

1382

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)
<223> n equals a,t,g, or c

<220>
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<222> (624)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (631)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<400> 2128
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atgtaataat ttacagagtt tttcaatgtg ttttttcaga atggacatgt aaaatttagt 120
tacattccag ggaattttca ggtgaaaatt agtagatagt taacatgaaa attttatatg 180
aattcatatt ttttcttgga caatatgcta atatttattg atttcacaaa tttacagcat 240
atgggtgatt ttggaagcat tcatagaccc ggaattgttg ttgactatca aaacaaatcc 300
accaatgtna cagttgctgc tgcaagagga ataaanagaa aaatgatgca gccatttaat 360
aagcccagtg gaacctttat caagaaccca aactagcaaa acctatggag aanataagcc 420
tcagcaaatc accacaaaaa ctgatcctaa aaattgaana agaaaaaaaaa cggcaattga 480
ggtccgcaaa aaaaacaaag gccccaaaaa aaaaaacgng anaattcgga aatggatccg 540

1383

aatggcttta atnttctttt gtaatttcaa ctttaaaaaa aaanttgtact gctcggaaat 600
tctctctcga acnttgatct ttcnaaacac ntattgaaaa tttttggatt tgcctatatt 660
tggaana 667

<210> 2129

<211> 384

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

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<222> (38)

<223> n equals a,t,g, or c

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<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

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<220>

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

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<220>

<221> misc feature

1384

<222> (321)
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<220>
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<220>
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<222> (330)
<223> n equals a,t,g, or c

<220>
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<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<400> 2129
tnngaataagn aacataacat ttacgggtctt tatgattnaa nagtagtgtg ctagtntaca 60
atcatagaaa gcattattac agttttaaca aaaaagcagt gaaagccttt ttgagatctt 120
tnntatctga ttggaatagc aagtattttt tgttttgatt ncatttttat acatactttt 180
atgataataa ctttaagcat tatctcagat taccttacgg aaaagtgtgg aatcagcatt 240
aagacagtta gaaagagaaa aggcgcttct tcagcacaaa aatgcagaat atcagaggaa 300
agctgatcat gaagcagaca nnaaacgaan tttggaaaat gatgggttgn ggtgnagaat 360
attaaatact catcaagaaa aaaa 384

<210> 2130
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

1385

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 2130
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cgaaaccgtg gacatgttcc acatcctccc ccaaagcaat gtgagtecca gagcccgctt 120
ttgctcgatg aaagtctgga gtctctgaag cgaatccatg aagtgcagga agagatgaag 180
aacaagaac agtgggacca gttgccccgg gatcagcagc aggctcgtea gtctcagctt 240
gctcaggatg agccgtgtgt ccgctcttac ctngcctgcc accgaaaccg tggacatggt 300
ccacatcttc cccaaagcaa tgtgagtecc anagcccgtt tttggtcttt cccacaattn 360
cattactaag aaacacatca aataaactga ctttttttnc cccaaaaaaa aaann 415

<210> 2131
<211> 499
<212> DNA
<213> Homo sapiens

<220>
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<222> (143)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>

1386

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<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
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<222> (448)
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<222> (453)
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<222> (476)
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<220>
<221> misc feature
<222> (481)
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<220>
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<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1387

<222> (498)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<400> 2131

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tgacaccaag ggtcgctttg ctgtacatcg tattacacct gaggaggcca agtacaagtt 120
gtgcaaagtg agaaagatct ttntgggcac aaaaggaatc cctcatctgg tgactcatga 180
tgcccgacc atccgctacc ccgatcccct catcaagggtg aatgatacca ttcagattga 240
tttagagact ggcaagatta ctgatttcat caagtctgac actggtaacc tgtgtatggt 300
gacttggagg tgctaacctt gggaggattt ggtgttggtt ccaccagggg gnggcaccct 360
gggtntttta cnggggttca gggnaaanat gccattggaa cagtttttnc ctgggntttt 420
caaatttttt tttttggaag ggaacaanct ggnntttttt ccgggggaagg gtttcngctt 480
nccttttttn ggggggggnn                                     499
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<210> 2132

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1388

<222> (233)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<400> 2132
nangnacgct gtgtaaataa natgcttttg gggctcccct ggccacagaa ggagaaaact 60
ggagccttct aatttcctgt tgtttacttt ccaaaggctg gagttgggta ggaaacctgn 120
gcataccggc aactggctt gtgggtgaac ttctctccct gctgtatttc ccggacaggt 180
gaggcggacc ctgttcatca caggactccc cagagatgcc aggaaggaga ctntggagag 240
ccacttccgg gacgcgtatc ccacgtgtaa ggtggttgat gtncagttgt gntacaa 297

<210> 2133
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<220>

1389

<221> misc feature
 <222> (539)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (544)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (573)
 <223> n equals a,t,g, or c

<400> 2133
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 atggagtttg ggcctagctg ggttttcctt gttgctattt taaaagggtgt ccactgtgag 120
 gtgcagctgg tggagttctgg gggaggcttg gtacagccag ggcgggtccct gagactctcc 180
 tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccaggctcca 240
 gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcattgggtgg gacaacagaa 300
 tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360
 nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420
 gactacaggc acacccttg ctactggggg cagggaaccc tggtcaccgn cttctctggc 480
 ttccaccaag ggccatcgct tcccccttg ngcccttggt ccaggancac ttccgaaanc 540
 cagnggcctg ggcttgctgg gcaagggtc ttncc 575

<210> 2134
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (52)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (521)
 <223> n equals a,t,g, or c

<400> 2134
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 gaactagtgg atcccccggt ctgcaggaat tcggcacgag ggagttttca gatcaaaaac 120
 tggttaccat tttttgtcag agtgtctgat gcggccactc attcggctcc ccagaattcc 180
 tagactgggt taatagggtc atattgtgaa tgtctcacta caaaatgact tgagtccagt 240
 gaaatctcat tagggtttaa gaatatctta gggatcctta atgttttgat ttttgttttc 300
 tgaaattgga ttttatctta ttttatctta taatttcagt tcatctaaat tgtgtgttct 360
 gtacatgtga tgtttgactg taccattgac tgttatggaa gttcagcgtt gtatgtctct 420
 ctctacactg tgggtgcactt aacttgtgga atttttatac taaaaatgta ggataaagac 480
 tattttgaag gtttgaataa agtgatgaag ttgcattaca nctcactgca aggattcttt 540

1390

acttagcttg tttttag

557

<210> 2135

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

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<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

1391

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 2135

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ncaannnnga cacnaaccct cactaaaggg aacaaaagct ggagctccac ctgcggtgcg 60
nccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagg aggagcccca 120
gtcatgctca gcacgctaca gatgtgttgt ttgtcacact gagattgctg aatgtcgtgg 180
ctgttggtcg ccgagcctca gctgctggca tttccttctg ctgtttgctg cttttgtgcc 240
tccccactt tccatcacct ctggagtcct gtctggacgt cccttcctgc tacaggaata 300
atgaggcgtg ggctgcctcc cgctaggcct cctgctccct ntaggtagtt tctngctgag 360
gcttgctaatt tggggatgct tcttagagca tcttccacat caactcccct ggctgctggc 420
taccgattaa attcattagt gtgaaagagg tgggagttag gttttctggn ctgaagcagt 480
ctgcactgaa aggtacccaa gtggcctgaa acagtgtagg gaaagacctg ggaaacactg 540
gaccaaaaaa gc 552

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<210> 2136

<211> 618

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<400> 2136

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aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgncggccg ctctagaact 60
agtggatccc ccgggctgca ggnattcggc acgagcggcg gcggncggcc cgctccagcc 120
atgccgaata aaaacaagaa ggagaaagaa tcaccaaag cagggaagag tggaaaaagt 180
tcaaaagaag gacaagacac agtagaatca gagtgtact gtctaagagc tggagctaca 240
gagcttgaaa ttaccactga aaacactgaa atgttgggcc cttcactgct tcctcataag 300
gataccagag gcaacctggc atattaagct tgacacttgg cagatcactg tgtaaattgt 360
ttttcaggaa tacaagttgg gacacttctg ttcatttgac ctttgagttg acccttaaatt 420
tttattattg ttttttttcc cctcagtcct cagctcactg cttcacttct agttccaccc 480
acttaccaaa tatgattgac tcatgcaggt gaattaaacc attattgcac actttttccc 540
tctcctctct ctcagtatta ctcttaactt gaatatttta acctgaacaa tttaaatagg 600
cttgacattc ccatgctg 618

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1392

<210> 2137
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 2137
anantaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtgcn gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tcggcacgag gaggaatcgt gtgtctgctg 120
ttgatgaact tgcaatggct acagaacgac taagagtgcg tgatcctagg gagccaaagc 180
ctaataccgcc tgttcttcat atcattgaac cacatgaggt agaacaaaac cgaataaaac 240
tactaaatga taaagctggt gctacatcac agcttcagaa aaaacttggg cagcttcttt 300
acctaactaa tttggagaag tctcaagata aaacatcggg aggtgttaat ccagaacctt 360
gccccatctg tgctcgacag ctaggaaaac agtgggcggg actgacctgt ggctactggt 420
tctgtaatga atgcatcttct ataattattg aacaatacag cgtgggatct cacagaagct 480
ccattaagtg tgcaatctgc cgccagacca catctcaca ag 522

<210> 2138
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

1393

<400> 2138

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tganacnaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg acggccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agctacaact ggagaatcca 120
tccatcaggt gactgagttc ctccaaaggg gacactacta atgtgtctca gacactaact 180
aaggtgagaa ggaatgcact gttgaggggg cagcacatcc ttaagaagct caatgggtggc 240
tgtcccctgc aggctggaat aatgctaggg atgttttata gaactggatc cccagtagt 300
gagtaaaatg atagagttcc agaataacag gggccaagtg gcagcattta actgtgagga 360
caagataaag taatttccgt aaggggcac caggttagag tgacaactgg gaggcctgac 420
ctgtaggtgt ccatgaagat ggctcttagg acatgctgtt cctctaggca agacacatat 480
tgcttttagac atataatcaa aagaggat 508

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<210> 2139

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<400> 2139

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ccctcactaa nggaacaaaag nctngngctc caccgcggtg ncggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agcggtttta ttttcaataa tgaacagctg 120
gctcagatga atgaacagct ggctcaggtg aatgaactaa agaaaatgac ccttcaaaact 180
ggctttgaac aaggtgacag agaaaatgta ctgtgtaata aaaaggagaa aagaataaca 240
aatgagcaag aggaaacata ctctttatcc caaagttcag gtaaatttca ccaggagagt 300
aaatttgata agggtcagaa ttccctaact tgtaataaaa gtaaagcttc tagacagaca 360
tttgtgattc acaaattaga aaaagataac ttactcccaa accaaaagga taaagtaacc 420
atztatgaaa acctagacgt cacaaatgaa ttacacacag ccaatctttc caccaaagat 480
atggaaaattt atgtgattat gggacccaca atatattgga tttgaaaagt atgtcactga 540

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1394

tattca

546

<210> 2140

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<400> 2140

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actagtggat cccccgggct gcaggaattc ggcacgaggg agattgatga tgactttttc 120
ccaagttctg gggaagaagc tgaagctgct tctgtaggag aaggaggagg aggaggtcgg 180
aaagtgggaa gataccgaga tgatggagat gaagattatt ataagcagcg gttaaggctcg 240
gtctgtgggg attataaata cattgtactg tttgctttat cttagggtgac aggtttatta 300
atatgtaagc attctagatc cagcttaata tattagacct ccccgattat acagagggttg 360
gattttctgca gccttaacct gctagaagca gtggggcccc tgagtcctta atgatgctgg 420
ccccaaatgc atgtacttct aggtcttttag ttggatttgg aggcaagtct aagatgaaaa 480
acttaagggg aggctggggc aagaggcata cagagggctg agtgtgagct gtgtcgc 537
```

<210> 2141

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<400> 2141

```
tcaaccctca ttaaaggagc caaaagctgg ngctccaccg cgggtggcggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgagatg atattgagac ctctgtcatt 120
taatattggg acaaaattgt atttctaact cacaacaaac agaaaaacta cattagatgt 180
actatcactt tagatttgaa aacaattctt taaaactttt acaagaaaat caaaataaga 240
ctctactgcc tttaatttga ggaagcacat gtcattaagg aaaagactga tgagttcaca 300
tttgctgata aaaataatat aatctgtcca tcctaagtta ggtgtccaac aaatagttac 360
atgtctatcc tctcaccttt catgtcctcc aacacttctc tttaaagagt ggcatagata 420
acatcatgaa agaatgagga aactccagtg caccaaaaaa ttatagagtt tataaatatc 480
```

<210> 2142

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

1395

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 2142

```
ggnganmtca acctcactaa aggggaacaaa agctggagct ccaccgcggt ngcgggccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gaggtctgat ttcttcacac 120
ttgtaaacaa ttgtattata tatgcatact gtatatatttg tagttataag aagaaaaata 180
ccagaattta aaatgcagtc acaatgtggt atgttttcag atgacttacg tatgtttttg 240
ttcatcagta ttttaaaaaa taatcacctg tttgtgaaaa taatggtttt gaaaacagca 300
ttatgatgag aggggaacttc gtaatttcat gagaatgtag atggtgactg ttttaagtggg 360
agctcacata ggcattaaca tcacctcct tttgcacagt ccttttaagt ctctgttaa 420
acatctttta ttgtgtgtat tttaaaggcac acagatgctt tttcctgtat tcattttaca 480
aatttaccta catattcagc                                     500
```

<210> 2143

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 2143

```
gangtcnanc ctactaaaag ggaacaaaag ctggagctcc accgcggtgg cggccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga gcttttggct tctagttagat 120
```

1396

```
tacttttttt ttccctgcaa atttgggttt tgattacttg agcatagtga tcaaaaaaga 180
tcactgggca tccatatacc gtttcattaa tgattaatgg actacaatat tgacttgtct 240
catgttatca aagttataat ctgctttata tagcaagttc actttgcttt aaacagcttt 300
taatttatat tattgttctt gaaaagggtga gtaaataatgc aaattgaata attttaaaat 360
ccaagggcag gttttgtaag aaacttagag ggcagagagg aatttttgta aaggggaaaa 420
attattttat ttt 433
```

<210> 2144

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 2144

```
gaaaaatcac aagccttctg tacttttagg ctttgatatg tctgaactta aaaatgtgaa 60
acatagattg aactttgaat atgaaccata aaacttgcaa aaaaaaaaaa aangnacntt 120
taangtagn 129
```

<210> 2145

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

1397

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

1398

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2145
cgggcccgag atgtctcgct cntttncent agctntgctc gcgctactct ctctttctgg 60
cctgtaggct atccagcgta ctccaaagat tcagggtttac tcacgtcatc cagcagagaa 120
tggaagtc aatttcctga attgctatgt gtctgggttt catccatccg acattgaagt 180
tgacttactg aagaatggag agagaattga aaaagtggag cattcagact tgtctttcag 240
caaggactgg ctttctatct cttgnactac actgaattca cccccactga aaaagatgag 300
tatgcctgcc gngngaacca tgtgactttg tcacagccca agatagntaa gtggggancga 360
gacatgnaag cagcatcatg gaggtttgaa natgcccgca attnggaatg gatgaattcc 420
aaa 423

<210> 2146
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>

1399

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<400> 2146

```
gccacagtct aaggtgctgt acattacctc aaatccgatg agtctctgtc aagcaagcag 60
acatcagcca aatgtgaatg atctcttggt tcatggaatg cctctacagc caagaaatct 120
ctccctaata gacaagctcc tagatcttga tgacaagcta cttatgaggc ctgggtccag 180
taccatcctt tcaactcgaa attggccaaa tcgagctgtg gagtttagta catcatctct 240
gtcatacaca gtgcagtcca ccaggagacg caatccacca ccacgaactc ttcatccgat 300
cagcacganc cattcatgtg ctgaaacacc aggatctgtg gaagaaattc tcagaggagc 360
ccgagtccca ntggcaccgg actcgctctc cttctccctc accgacgccc ctgagttgaa 420
attaatctgc taccacctat tgggcacagc tgaagtgnaa acatgtgatc actgtgnngg 480
tcacagagac aagatgaatc cccaatggan actntantc 519
```

<210> 2147

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

1400

<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1401

<222> (484)

<223> n equals a,t,g, or c

<400> 2147

```
aattcggcac gagcattgag gtgcggaatt acagcagatt gaaacctggg taccgatggg 60
aacggcagct ggtgttcagg agtaagctga ctatgcacac agcctttaat cgaaaggaca 120
atgcacaccc agctgagggtc actgccttgg gcatctccaa ggatcacagt aggatcctcg 180
ttggtgacag tcgaggccga gttttcagct ggtctgtgag tgaccagcca ggccgttctg 240
ctgctgatca ctgggtgaag gatgaagggtg gtgacagctg ctcaggctgc tcggtgaggt 300
tttctactcac agnaagncca caccatttcca ggaactntgg gtcagctctt ctgccagaag 360
tncatcgctt tnaatctgaa tnaaacgttt gaaatttcat cccggtgngt gtttgtcaga 420
cttgttattt tanttccagc ttngggnggt nagaggttgg cncgaatttt gagntcacca 480
gttngtgggc ctggttgcc 499
```

<210> 2148

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<400> 2148

```
gatgaattga gtgaagctct cctacttata aaggctcaaa aagaacaaaa aaatggagac 60
ctttcctttt tagtgaaagt agatagtga attaataaag atctagaacg ctctatgaga 120
gagctgcaag caactcatgc agaaacgggtg caagagctgg aaaagacaag aaacatgcta 180
attatgcaac acaaaattaa taaagattat cagatggagg ttgaggcagt gacccgtaag 240
atggaaaatt tgcagcaaga ttatgaactc aaagtgggaac agtatgttca tcttcttgat 300
atcagggctg cacgtatcca taaactagaa gaagctgtaa gtttggggag catataagtg 360
ttcttcagct gttggagttt tgcataattc ccatanccaa aattttcaca gaaaagcaag 420
gcagatattc acgttggtga tatttggttg gcctctgtat ataacggtga a 471
```

<210> 2149

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1402

<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)

1403

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (326)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<400> 2149

```
ggaacggggn ggaantgtga acctcttaaa gttgggtcccc tgcngtacc ggtccggaat 60
tcccgggtcg acncacgcgt cegtncaaga tgggtgccacc ggtgcaggtc tctcngctca 120
tcaagctcgg ccgatactnc gncctgttnc tcnatagtgg cctacgganc cacgcgctac 180
aattacctaa aacctngggc agaagangag aggaggatag cancagaaga gaaagaanaa 240
agcangatga actgaaacgg attgccagaa aaatggcaag aaagatgcag cattattaaa 300
agtgaagttg aannatgnng aaccanttct tttggaacca ancat 345
```

<210> 2150

1404

<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 2150
agtcgctctc ctagecccttc tntgtgcctc agcctctggc aatgccattc aggccaggtc 60
ttcctcctat agtggagagt atggagggtg tgggtggaaag cnattctntc attctggcaa 120
ccagttggac ggccccatca ccgccctccg ggtccgagtc aacacatact acatcgtagg 180
tcttcagggtg cgctatggca aggtgtggag cgactatgtg ggtgggtcgca acggagacct 240
ggaggagatc tttctgcanc ctggggaatc agtgatccag gtttctgggn agtacaagtg 300
gtacctgaag gaagctggta ttttntgaca gacaagggcc gtatct 346

<210> 2151
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

1405

<220>
 <221> misc feature
 <222> (203)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (221)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (223)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (251)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (258)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (298)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<400> 2151
 gcagggggct gctttgcac tgaactgtc agccccagaa tgttgacagt cgctctccta 60
 gcccttctct gtgcctcagc ctctggcaat gccattcagg ccaggtcttc ctctatatagt 120
 ggagagtatg gangtggtgg tggaaacgat tctctcattc tggcaaccag ttggacggcc 180
 catcacgcc ctccgggtcc gantcaacac atactacatc ntnggtcttc aggttgcccta 240
 tgggcaaggt nttgaacnaa ctattttngt ttgttcccca accggaaaac ctggaagnaa 300
 aatcttttct tgccccctt ggggaaatcn 330

<210> 2152
 <211> 544

1406

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (493)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (533)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<400> 2152

```

tttttttagc atcatgttta cgcccttgga cagatacant gatagaaata tgcaaattaa 60
tagacatcaa tactgtgCGT taaaggctat gtctgctgta ctgtgttggt gccctgttgc 120
agataatgta ggactttcat cagatggcta tttgtacaaa tggttggata acattttgga 180
ttctctggac aaaaagggtt accagctggg ctgtgaagca gttacgttgt tactggagct 240
gaaccctgat cagagcaacc tgatgtactg ggctgtggac cgctgctaca cgggctccgg 300
gagggtggcg gccggctgct ttaaagccat tgctaattgt ttccagaaca gggattatca 360
atgtgacaca gtgatgcttc taaatctgat actgnttaaa gcagctgatt cttctagaag 420
tatctatgaa gttgctatgc aacttttaca gattctggaa ccgaagatgt ttcgctatgc 480
tcacaaattg gangttcaga gaacagaatg gaggactcac ccagtggntc ctntacacaa 540
tntn                                     544

```

<210> 2153

1407

<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<400> 2153
gcggacgcgt gnttggacgc gtgggtggag cagtcttcca aatttatatt atcaaggacc 60
tggagaagct actcatgata gcaggagaag agcgggcact gtgtcttgtg gacgtgaaga 120
aagtgaaca gtccctggcc cagtcccacc tgccctgcca gcccgacatc tcaccaaca 180
tttttgaagc tgtcaagggc tgccacttgt ttggggcagg ccaagaattg agaacc 236

<210> 2154
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

1408

<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1409

<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)

1410

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2154

```
ggcgccgtgt gcggttaggg cttctgccgc tctccacgc ttgngcagca tnaccgggtc 60
cacantggcg agcggcctta caagtgcgat gactgcngaa aggccttntc ccanagctcn 120
gacctcattc gccaccaacn gacccaennc gnagaccnnc nctnacctgg ggccccagca 180
tgggtggnag gtgtnggcag aagataatgg nccngggagc tanaggaacc tttagggatg 240
atagtgtaga agccgtagga gaatggaatg agctgangat gctggaanaa gagaaccant 300
ggtggaggaa gtgacatgcc ctgnagactt gtgggaagtg gtttgtaggg aggccatgnc 360
ggtatacggg aggccttgan agaaatggag agaggtcaan tn 402
```

<210> 2155

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 2155

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acatttctcc tttcactgct gtcaatgacc tgggacatct gcttgggaga gctggcttta 120
atactctgac tgtggacact gatgaaattc aagttaacta tcctggaatg tttgaattga 180
tggaagattht acaagaacaa aagtccagaa tgttgaccta attttacaaa acaagctgca 240
tatcagctga tgaatgcatg agaaatthtc aaggctthtc cagtgggtctt aagggtatggg 300
tganagtaac tgtgcttgga atagaaaagc cctgctgcat cgagacacaa tgctggcagc 360
tgcggnagtg tacagagaaa tgtacagaaa tgaagatggt tcagtacctg ctacatacca 420
gatctattac atgataggat ggaaatatca tgagtnacat gcaagaccaa cttgaaagaa 480
gtttccgaac tgtggcattht tg 502
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<210> 2156

<211> 464

<212> DNA

<213> Homo sapiens

1411

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

1412

<400> 2156

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cccgggtcga ccacgcgtc cgcccacgcg tccgcccacg cgtccgggag ttccggaaag 120
ccaaggccag ctccacaggc agcttcacag cacctgatcc cggcctgaag cgcaagtccc 180
ctcctgaggc cctgtcaggg tccttaccac cagccaccac ctgccccgcc tcgtccacgc 240
ctgcgcccac tatcatccct gctccagctg cccccgggaa gccagcctcc gcagccaccg 300
tgaagaggaa gcggaagagc cgggtgggggc ctgaagagga taaggtagag ctcccacctg 360
ctgaactggt gcagagggac gtggatgcct ctccctcgcc tntgcagntc aggacctcaa 420
ggggctcggg tatgagaagg ggaagcctgt gggncctaang ggcg 464
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<210> 2157

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<400> 2157

1413

tggactnctc ccggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt 60
gtttcgcctt ttatgcctat cactaccgct tcaatgggca gtatagcagc ctggccctgg 120
tcacctactg gctcttcatc caggtgaggc ctgggcggca agcagggggc aggccagccg 180
tgcctttcca ggcaggagag gctgcagccg gngaggatgc cctgtggggg cggcccaagc 240
gggcagaggt agcgtggatg gtcccggntg ggctgnctc tgnnagcagc ggctgggtgg 300
tcaagggcgg ncccg 316

<210> 2158

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

1414

<400> 2158

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ggcacgagcg cttgtggagc tgggtggcggc gctcccaggg gctcggctgt tttccgcgcg 60
gcaggncctcg atggcgcaact gggtaaagct ctcaaggagc agaagtacga ccggcagctg 120
agggttgtggg gtgatcatgg gcaagaggct ttagaatctg ctcatgtttg cctaataaat 180
gcaacagcca caggaactga aattcttaaa aacttggtac taccagggtat tggttcgttt 240
acaattnatt gatggnaatc aggtcagcgg agaagatggc tggaaaacaa ttttcttctt 300
tcaaagaagc anttntcggg caaaaaccga gctggaaagc ngaccatggg aatttcttan 360
ca
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<210> 2159

<211> 79

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<400> 2159

```
gacctcgtcc gccaaaggatg tgccagccgg cagcttgccg actgccctca atgagctcaa 60
gagactgata canagcatt
```

79

<210> 2160

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1415

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 2160

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gggtatgcag taacatttca gaatgttttg tgtgcgtgtg aagggtgcac aggtgcgtgg 60
ggatggggag ccaggctcag aggtggacgc tggctgcctg ggccacctcc tttcccagac 120
cccatctggg cgagcagaga gcagagggag agggagtgtc ccggtgcca ggctcccaga 180
gtgctgtcct ctgcccgggt cgtcaagtcc aggtagtggg tcccagtggg gcttcgggtgc 240
tggagggcgtc tctgcctcgt ttccggctcc atgttacgct cttagaaacg gagttgattg 300
tggttgaggc ggaaggaagg gttccccgca nacgtcctct ctcttctaca aagtgtgggc 360
aanagccagg gccagtgagg gctgctgtgc atgagtggcc tgagacaaag cgctgtncnc 420
cgttgagana tgggctccna agaaac 446
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<210> 2161

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

1416

<223> n equals a,t,g, or c

<400> 2161

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gggcctgtcc acgtccccct ctgtccttaa ctccaggaga ccttggctca cgtggacagc 60
aatggagttg ggggaagggc cctgaaggca gcccaggcc tgactgtggg cctccagcta 120
caggcatttg tgtttgggca ccagctaccc cacatcccag ccggtcatct ctgggcataa 180
acccccaccc cccagaaagg aggcttcctg tccctcttgg gcaccagctc agccaaaagc 240
cagaaagctg ctctggagca taacctgacc cccccacggc gaggcagggc agtcttctct 300
ggctggcact gctctgggca tagaattgat ccttcatcaa nctttacccc aaaaaagaag 360
ngtcttcttg ggtgaaggac aaagtngggg aaggcaacan ggctggggct taaangccct 420
tcaccagcca ttcaagggtt gccttttnaa 450
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<210> 2162

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<400> 2162

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agcttcctct gggaaacgcc ccantatagg gatagctggg acgcctgcag gtaccgggtcc 60
ggaattcccg ggtcgaccca cgcgtccggg acccaacttc tctcaccgcc atggagttcg 120
acctgggagc agccctggag cccacctccc agaagcccgg tgtggggggc ggccacgggg 180
```

1417

```

gagatcccaa gctcagtcct cacaaagttc agggccggtc ggaggcaggg gcagggtccgg 240
gtccaaagca aggacaccac agctcttccg actccaagca gcagctccag cgattcggac 300
acggatgtga aggtaagggg ctctcgcagc gtcccaagca cgtgccctgc accccanaga 360
ggcgtccccg actggggctg gcgngaggg tgcnnngagt ggtcc 405

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<210> 2163

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<400> 2163

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gggggcttgg cctcaagcat ctctggaagc ctgctgtgga ggcctatgga gagtttctct 60
gcatgtttga ggaaaattat cccgaaacac tgaagcgtct ttttgttggt aaagcccca 120
aactgtttcc tgtggcctat aacctcatca aacccttcct gagtgaggac actcgtaaga 180
agatcatggg cctgggaggt ggcagtttat gtcagatgga gcggatgttg gttttgggat 240
tttcctgaag accnagatgg gagaanaggc ancgngcagn 280

```

<210> 2164

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

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1418

<220>
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<220>
<221> misc feature
<222> (54)
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<220>
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<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<400> 2164
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cctggntcga cgnogccaaa ttacactgct ccgacaatgt agatttagaa gaggctggaa 120
aagaggggtgg aaaaagcagg gaggttatga ggcttaataa agaagatatg cacttatttg 180
gccattaccc agcacatgac gacttctatc tcgtagtgtg cagtgcctgt aaccaggteg 240
tcaagccaca ggttttccag tcgcaactgcg ccgggcctgc aactgttcca cttcttgat 300
cctccttcag cttctctgac tcctgggcca ggtgtgtgca tttagctcca tgctgaagag 360
ctgcagcttc tgcaggacat ttgtaccatc gaggtcaaag gcaacaagaa gtgacatgag 420
tttcagtcca tcttcatgag gttccagtta aggcctgtga attcgcaatt gttcttcccg 480
actgcctg 488

<210> 2165
<211> 502
<212> DNA
<213> Homo sapiens

<220>
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<222> (14)
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<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

1419

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<222> (47)
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<220>
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<220>
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<222> (72)
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<220>
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<220>
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<222> (89)
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<220>
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<222> (126)
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<220>
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<222> (146)
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<220>
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<220>
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<222> (151)
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1420

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<223> n equals a,t,g, or c

<220>
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<222> (176)
<223> n equals a,t,g, or c

<220>
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<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
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<222> (190)
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<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
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<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>

1421

<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
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<220>
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<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
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<222> (375)
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<220>
<221> misc feature

1422

<222> (376)
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<220>
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 <222> (446)
 <223> n equals a,t,g, or c

<220>
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 <222> (454)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (477)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (484)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (497)
 <223> n equals a,t,g, or c

<400> 2165
 gggttaaaagt ggantgtatg ttgtnataga agtttaaagtt gcanctnatt atggaataga 60
 nataacctgt cnaanttatc tgatgacana ttaccaangt gctcccccat cccacagta 120
 tagaangatt atttgcatgg gtgcanaana naatggnttg ccgctggant atcaanagan 180
 gttaanagcn ttanaaccaa atgactatac ntgaaagggtc tcanaagaaa ntgangacat 240
 catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300
 tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
 tngatccatt ttcannagtg ctctgagagg agtatcttac ttgggggtgac tccttgtttt 420
 tagactatac tcagaaactg ggatanggag ttanaccatt taaaacgggt gtatganggc 480
 ctgnaatatg tgacaantga at 502

<210> 2166
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (36)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1423

<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
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<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)

1424

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (327)

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<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

1425

<400> 2166

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gcgggtgccg agcactgcct ccgggcttcc cccaangacc acgcttagcg gtggcttctt 60
cgttgctgta attgaacggg tcnanatgcc nacgtgagtg agtgggggca tgcttgggaa 120
gcgcaggatg gtactggcac atctaacatc tacatttctc tagctcanc cccacaggcca 180
aagcatcagc accanaacgc acaccancc catcccnna nagaaagaan gaaacagcca 240
agacccacc cggtgcttgc acaccgcctt tgcacatanc aaaagctcca ngnttactcc 300
ttcctgggtg ggaaaanaaa atgcctntcc tctccctgga aagacctggg ccctcccccgc 360
aggcaacaat ttgcattttg aaaagttatt gggttccttc ctcnggctg tnttcttgct 420
tgtaaccaa aatttttctt nccnaaatta aatnc 455

```

<210> 2167

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (432)

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<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<400> 2167

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gaaagagttg gaattgtaca aagaggaact tcagacaaaa cctgcactct tggcagttaa 60
taaaatggac ttgccagatg cccaagataa gttccatgaa ttgatgagcc agctccagaa 120
tcctaaagat tttctgcatt tatttgaaaa aaacatgatt ccagagagga ctgtagagtt 180
ccaacatatc atccccatat ctgcagttac tggagaagga atcgaagaat taaagaattg 240
tataagaaaag tcaactggatg aacaggccaa ccaggaaaat gatgcacttc ataagaaaca 300
gttgcttaat ttgtggattt ctgatacaat gtcttctact gagccaccat caaagcatgc 360
tgttactact tccaaaatgg atataattta aatatattaa aaatggtatt gatggaacag 420
taaaaaaaaa annnnn 436

```

1426

<210> 2168
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
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<220>
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<220>

1427

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<220>
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1428

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 tggtagcgcct gcaggtagcg ggccggaatt nccggatcga cccacgcgtc cgctggagag 120
 agaccttttcg aatgtattga atgtggaaag gccttttagta atgggttcatt ncttgctcag 180
 catcagagaa ttcatacagg agagaaacct tangtgngna atgtgngngn gaaagccttt 240
 agccatcggtg gatacctaata tgtacatcag agaattcata ctggngagag accctacgaa 300
 tgtaaggaat gtangaaagc cttcagncag tatgcacacc ttgctcaaca tcagagagtt 360
 catactggag aanancctta tgaatgtaaa gtattgttng aaagccttca gncaaattgc 420
 ataccttgat caacatcaga gggntcatatc tggagagaaa ccctatgaag gtattggaat 480
 gnnggaaggc ctttagcaat agttcatcac ttgcacaaca tcagnngaag catactggag 540
 aa 542

<210> 2169
 <211> 429
 <212> DNA
 <213> Homo sapiens

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 <222> (63)
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<220>

1429

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<223> n equals a,t,g, or c

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<222> (69)
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<222> (281)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
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<222> (294)
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<220>
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1430

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<220>
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<222> (328)
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<222> (339)
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<222> (344)
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<222> (346)
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<220>
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<222> (352)

1431

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<220>

<221> misc feature

<222> (354)

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<220>

<221> misc feature

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<220>

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<220>

<221> misc feature

<222> (366)

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<220>

<221> misc feature

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<220>

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<220>

<221> misc feature

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<220>

<221> misc feature

<222> (372)

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<220>

<221> misc feature

<222> (375)

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1432

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<220>
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 <222> (392)
 <223> n equals a,t,g, or c

<220>
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 <222> (394)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (402)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (403)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (428)
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 agncttntnc tttatgcagt ccctgaacta ccaggaagat aaacaccacc atgatggaga 120
 tttgcaccag tacaaacagg gtattgaagt tagcgaccag gttgacgctc ttcagattcg 180
 cggcgggttaa aatggcgacg aggttaccac ccacanccan ggggggcaact ttccgggggaa 240
 gagggcgggg agatagattt tnggccaaca agacgttaat natngggcaa aaanggggnt 300
 aattccagcn agggntgnc caggcngntc cataaantnc cgngngggg gntnaaatnn 360
 gntttntnnn gnggnnggnt attaggncc cnanccgttt annggggaat ttgggggggaa 420
 gccatttng 429

1433

<210> 2170
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (423)
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<220>
<221> misc feature
<222> (486)
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<220>
<221> misc feature
<222> (490)
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<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (577)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<400> 2170
gcggaacgcgt gggttctagt cgttttcaaa gcgcctcgcg ctgattctca cgggcccggc 60
tgccggcccc cgctctgccc tggattggta gcttatgtcg atcttgatga aagagcaatt 120
gatgctctca gggaatttaa tgaagaagga gctctgtctg tactacagca gttcaaggaa 180
agtgacttat cacatgttca gaacaaaagt gcatttttat gtggagttaa gaagacctac 240
aggcagagag agaaacaggg gagcaagggtg caagagtcca caaagggacc tgatgaagcg 300

1434

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aagatcaagg ccttgcttga gagaactggg tatactctgg atgtaaccac aggacagagg 360
aagtatgggt gtccttcacc agacagtgtg tactctggcg tgcaacctgg aattggaacg 420
gangtatttg taggcaaaat accaagggat ttatatgagg atgaattggg gccctttttt 480
gagaangccn gacctatttg ggatctacgt cttatgatgg atccactgtc cggcagaata 540
ganggtatgc atttatcacc ttctgnggna aaggaanctg ncaggaagcc c 591

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<210> 2171
<211> 536
<212> DNA
<213> Homo sapiens

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<220>
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<222> (135)
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gacccccctt gcggggggga tgcgtgcatt tatcagatca aaaccaaccc ggtcagcccc 120
tctccggccc cggcnggggg gcggggcgccg gcggctttgg tgactctaga taacctcggg 180
ccgatcgcac gccccccgtg gcggcgacga cccattcgaa cgtctgccct atcaactttc 240
gatggtagtc gccgtgccta ccatgggtgac cacgggtgac ggggaatcag ggttcgattc 300
cggagagggg gcctgagaaa cggctaccac atccaaggaa ggcagcaggc gcgcaaatta 360
cccactcccc acccggggag gtagtgacga aaaataacaa tacaggactc ttctgaggcc 420
ctgtaattgg aatgagtcca ctttaaatac tttaacgagg atccattgga gggcaagtct 480
ggtgccagca gccgcggtaa ttccagctcc aatagcgtat attaaagttg ctgttg 536

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<210> 2172
<211> 252
<212> DNA
<213> Homo sapiens

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<220>
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<222> (28)
<223> n equals a,t,g, or c

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<220>
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<222> (30)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

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<220>
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<222> (68)
<223> n equals a,t,g, or c

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1435

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<220>
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<220>
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<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (178)
<223> n equals a,t,g, or c

<220>
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<222> (185)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
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<222> (248)
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<400> 2172
tctagaacta agtgggattccc ccgggctntn tgaatttggc acgaggcaac gcctacgggg 60
ggaggntnaa tggcncggac atggaagccc acgctgggtca tctgnggat caaacgggct 120
ggccgatgcn tgcgctgggn ccccaacgag aacaagggttg ctgtgggcaa cggatctngg 180
gaganctcca tctggtatatt ccagcaagga gaatgactag gnggggttag caaagcacat 240

1436

naagaagncc at

252

<210> 2173

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (472)

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<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<400> 2173

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gatttttnacc aaatggttaca agaaattcaa gaagtgaaaa ctctgaaga actagagacc 60
tttatgctta aacatggaga aaatattatt gatacttttag gagctgaagt agatagactt 120
gagaaggaac tgaaagtaag atgtattcat aaaaataaca taatgataat ggcagctatt 180
tttttgagta cttactctac agcagacact aagtgcaccc atcacatgca tgctttaacc 240
cactcataac tccacagtgt gtaggtatatt ataagcaaga aaatgactgg gttagataag 300
ttgaataatt tacccaagga aatagggaaa ttngnatttg aaccagattc tttacttttt 360
aaacactatt tatgcagcct gcttagtttc taaaatagtc aaaggggggtt tttttggttg 420
gtaataaata acatttttgaa agtcctanaa naaagatgaa aagggaacttt anactnnggg 480
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1437

<210> 2174
<211> 571
<212> DNA
<213> Homo sapiens

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<222> (53)
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<220>
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<222> (80)
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<220>
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<222> (110)
<223> n equals a,t,g, or c

<220>
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<222> (143)
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<220>
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<222> (219)
<223> n equals a,t,g, or c

<220>
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<222> (230)
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<220>
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<222> (269)
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<220>
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<222> (272)
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<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

1438

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 <222> (353)
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<220>
 <221> misc feature
 <222> (398)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (407)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (447)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (550)
 <223> n equals a,t,g, or c

<400> 2174
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 cccagggggga gtgagataa caccacatct ctacagggtt tacagcttcn ccatgggctg 120
 ctggcccaag aatggacttc tanacatgaa caagggcctc agcctgcaac acataggccg 180
 gccccacacc ggcattgacg actgcaagaa acattgccna catcatgaan aactcgcct 240
 atcgaggctt catcttcaag cagacatcna anccgttctg attggcccaa gacaagatgg 300
 ggcaagacaa ggtnactgtt tggcccaccc aaaatcctcc tctccctcac canaaggga 360
 aaaggaaaaat ggcatactct gtgtccagaa tgtcccanct gcctgtnggc tctgcccttg 420
 gcgttggtt ttcccttgca agggctntgc ccttgggcct tctggaacaa aacttttttc 480
 ccccatccc accctcatct caccagtat caccctccc ttgcgggctg ggctagggga 540
 accaggatcn cccctctccc tgttcacagg c 571

<210> 2175
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (245)
 <223> n equals a,t,g, or c

<400> 2175
 cacaggcggc tgtgcctaaa caggaggagg ccattcacgc ctgcctgag ttgtgtccaa 60
 ggtgtgcgtg tggccagggg tccatccgct tccctctagc ccagcccctg aacacagctg 120
 cagtgcacgg ccccatcct cagctctgct ccccatccca actcgaagac gctgccctgg 180

1439

```
ccctgtgtgt gcagctcatg tggactggga gggcagggca ggtgcaggtc ttgggggcaag 240
agctngagct gtcttttcct tcctgcacag ccgcagagca ggtggatggg gctgcttccc 300
tgcaaggccc cagggccagg cccctgggg atttattcgt ggcttagaag ggtggggcca 360
gaagcaggcg tagtggggat tagggactca gcacccccag ctctcagtc agcagacaga 420
cccaccccag gctgactaca gaggct 446
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<210> 2176

<211> 452

<212> DNA

<213> Homo sapiens

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<222> (255)

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<220>

<221> misc feature

<222> (260)

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<220>

<221> misc feature

<222> (288)

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<220>

<221> misc feature

<222> (297)

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<220>

<221> misc feature

<222> (298)

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<220>

<221> misc feature

<222> (308)

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<220>

<221> misc feature

<222> (324)

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<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

1440

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<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
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<222> (396)
<223> n equals a,t,g, or c

<220>
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<222> (404)
<223> n equals a,t,g, or c

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gatggaaaagt tgccttttgt tcctccggag gaagaattta ttatgggagt ttccaagtat 120
ggcataaaaag tatcaacatc agatcaatat gatgttttgc acaggcatgc tctctactta 180
ataatccgga tgggtgtgtta cgatgacggg ctggggggcgg gaaaaagctt actggctctg 240
aagaccacag atgcnagcan tgaggaatac agactgtggg tttatcangt gcaacannct 300
ggaacaanca caagccattt gcanggctnt atacaccgct tttgactctg tattaacatc 360
tgagaaaccc ttgnatcctt nnaattaagt agaagnctaa cttnatctga aaagttcatc 420
tgttttcaaa ctgcaatgct gaaatgttat tg 452

<210> 2177
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>

1441

<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<400> 2177
ccgccgcggt acacggccgt atattactgt gcgagagatc ccacggagag atggctgtca 60
cagaaatccg tactactttg actactgggg ccagggaaac cctggtcacc gtctcctcag 120
cctccaccaa gggcccatcg gtcttcccc tgggcaccct cctccaagag cacctctggg 180
ggcacacggg ccctgggctg cctgggtcaag gactacttcc ccgaaccggt naggtttctt 240
ggaaactcag gcgccctnac cagcggggtt tcacaccttc ccgggtgttc ctacagtcct 300
caggantcta ctccctcagn agnttnntta accgtgcccct ccagaaagct tggggaccaa 360
aaactact 368

<210> 2178
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)

1442

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<400> 2178

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aaggtggggc agnaccatg ctgcgtgcgg ctggagcagg cctgggagga gggcggcatc 120
ctgtacctgc agacggagct gtgcggggcc agcctgcagc aacactgtga ggcctggggg 180
gccagcctgc ctgaggccca ggtctggggc tacctgcggg acacgctgct tgccctggcc 240
catctgcaca gccagggcct ggtgcacctt gatngtcaag cctgccaaca tcttcctggg 300
gccccggggc cgctgcaagc tggttgactt cngactgntg gtanacttgg gtacagcna 359
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<210> 2179

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (51)

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<220>

<221> misc feature

<222> (71)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (162)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

<223> n equals a,t,g, or c

<220>

1443

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<220>
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1444

<222> (296)
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<220>
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 <222> (407)
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<400> 2179
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 ctctcaatct natccatcat agcaggcagt tgagggtggat taaaccaaac ccagctacgc 120
 aaaatcttag catactcctc aattaccac ataggatgaa tnntagcagt tctaccgtac 180
 aaccctaaca taancattct taatttaact atttatatta tcctaactac taccggatnc 240
 cnactactca actnnggggtc cagcaccacg ancctacnan tatctcgan ctgaannaat 300
 ctaacatgac taacaccctt aantccatcc accctcctct ccctangaag cctgcccccg 360
 ntnaccggct ttgagcccag atggggccatt gtccaaaaaa acacctnaaa c 411

<210> 2180
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

1445

<400> 2180

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gctgacgagg agcttgaggc gctgaggaga cagaggctgg ccgagctgca ggccaaacac 120
ggggatcctg gtgatgcggc ccaacaggaa gcaaagcaca gggaagcaga aatgagaaac 180
agtatcttag cccaagttct ggatcagtcg gcccggggcca ggttaagtaa cttagcactt 240
gtaaagcctg aaaaaactaa agcagtagag aattacctta tacagatggc aagatatgga 300
caactaagtg agaaggatc agaacaagg ttaatagaaa tccttaaaaa agtaagccaa 360
caaacagaaa agacaacaac agtgaaagta agtgtcccca gatgcttggt gcaaatgaaa 420
agatggatac tttaaagatt aatgttgagt atacatctac cacacatatt tttcagccca 480
gagacatttt tccttttgtc aaacacgtga aagtttgggg agaaaggctg aatctgttgn 540
gggaggggtt taatttttta taggctcttt gactccattc ccaccctttt aagttcacgc 600
ttaagttggt                                     610

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<210> 2181

<211> 504

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<400> 2181

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atcagctttg aaaatcttaa gcttgcaact gaactccctg atgctgaact taggaggact 120
ttatggctct tagtagcttt cccaaaactc aaacggcaag ttttggtgta tgaacctcaa 180
gtcaactcac ccaaagactt tacagaagggt accctcttct cagtgaacca ggagttcagt 240
ttaataaaaa atgcaaagggt tcagaaaagg ggtaaaatca acttgattgg acgtttgcag 300
ctcactacag aaaggatgag agaagaagag aatgaaggaa tagttcaact acgnatacta 360
agaaccaggg aagctatcat acaaataatg aaaatgagaa agaaaattag taatgctcag 420
ctgcagactg aattagtaga aattttgaaa aacatgttct tgccacaaaa ggaaatgata 480
aaagtgcaat agagtggcta atag                                     504

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<210> 2182

<211> 527

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (442)

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<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<220>

1446

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<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

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accgccacgg cctcatcagc agctgtgggc tcaggccccc ctcccgaggc ggagcaggcg 120
tggccgcaga gcagcgggga ggaggagctg cagctccagc tggccctggc catgagcaag 180
gaggaggccg accagccccc gtccctgcggc cccgaggacg acgcccagct ccagctggcc 240
cttagtttga gccgagaaga gcatgataag gaggagcggg tccgtcgcgg ggatgacctg 300
cggctgcaga tggcaatcga ggagagcaag agggagactg ggggcaagga ggagtcgtcc 360
ctcatggacc ttgctgacgt cttcacgggc ccagcttctg cccgaccaca gaccctggg 420
ggggccca cccatgggtt gntgccgtcc cacgggttgc ccaacttga cccctggggc 480
gggccccctg tnccttcanc tgctgnatcc cctggggaag gttcaan 527

<210> 2183
<211> 333
<212> DNA
<213> Homo sapiens

<220>
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<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
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<220>

1447

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<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<400> 2183
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tataatgagt ttcagaagtt tggtcaaagg aaagcacatt ccgtttataa ttttgaaaaa 120
cctgttgtca tgaaggcttt tgaacacttg cagcaattag aattaataaa gcccatggaa 180
agaacttcag gaaattcaca gagagagtcc agctgatgaa actgcttttg gataatactc 240
aaattatgaa tgctctgcag aaaatatccc aactggcncta cagatgngaa gccangggcc 300
acatcctact taacctgggt ntggaatnta acc 333

<210> 2184
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

1448

<400> 2184

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gaaagatgag gggcaggagg agtgtagttt ccttgtagcc ctgatgcaga aagatagaag 120
gaaactcaag agatttgggtg ccaatgtgct gacaatcggc tatgccattt ataattgccc 180
taacaaaaac aaannctnaa acaaaaatcc tccaaatccc nctcncctcg          230
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<210> 2185

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

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<220>

<221> misc feature

<222> (8)

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<222> (325)

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<221> misc feature

<222> (345)

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<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

1449

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<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 2185
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gtcgacccac gcgtccgaag gctttgaaga gaggtccct gctgggctgc ttcattgata 120
ccagaagtgc tgcagaatct gagggccgga cgcggtttgg tcttattaag ggtcatgcct 180
acagtgtaac ggggaattgac caggtaagct tccgaggcca gagaatcgag ctcacccgaa 240
tccggaaccc ttggggccag gttgagtggg acgggtcgtg gagcgacagt tctccggagt 300
ggcgttctgt tgtccaactg agcanaagcg tctgtgtcac actgntctgg atgatgggga 360
attctggatg gcatttaagc acttaaggcc cctttgataa antgganatc tgcancct 418

<210> 2186
<211> 512
<212> DNA
<213> Homo sapiens

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<222> (401)
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<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
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<222> (477)
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<220>
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<222> (499)
<223> n equals a,t,g, or c

<220>

1450

<221> misc feature
<222> (511)
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gaacaaccag ctgctgcaact tcgccttccg ggaggacaag cagtgggaagc tgcagcagat 120
ccaggatgcc agaaaccatg tgagccaagc catttacctg cttaccagcc gggaccagag 180
ctaccagttc aagacaggcg ctgaggctct caagctgatg gacgcagtga tgctgcagct 240
gaccagagcc cgaaaccggc tcaccacccc cgccaccctc accctccccg agatcgccgc 300
cagcggcctc acgcgggatgt tcgcccctgc cctgcccgtc gacctgctgg tcaacgtcta 360
catcaacctc aacaagctct gcctcacggg gtaccagctg natgccctgc agcccaactt 420
caccaagaac ttcgccanct gggggcgcgg ngctgcataa ccttgggggc atgttcnaat 480
ggggctttta cgcttggang tgaaccacgt nc 512

<210> 2187
<211> 458
<212> DNA
<213> Homo sapiens

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<220>

1451

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<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
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<222> (231)
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<220>
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<222> (246)
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<220>
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<222> (284)
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<220>
<221> misc feature
<222> (302)
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<220>
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<222> (310)
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<220>
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<220>
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1452

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<220>
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<220>
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 <222> (453)
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 tgggtgtgcc agctttatna tgggtggncn cctagccntc aatgtttcca aggcccgcaa 120
 gaagtacaaa ntggagtggga cacttccatt angatttctca cacactcaat ttctgttctt 180
 ctattaaggg aaatcttaaa angatgtggt atttgatgac tcttaagaag ntctatatcc 240
 ctacantatc tttgtgatgc atctgaaatc cccattgatg cttnacgtca atgaaaagca 300
 cngaattggn gcaaagctgc ctctttccct tntgcaacta cagcgcaaan atacatcctt 360
 attcctggat atttaataaaa aacattgact ctgcttctga aaattgaaaa ccttgtcncn 420
 mnaattttta accaaaattg aatgggtctct tcnaggggt 458

<210> 2188
 <211> 337
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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1453

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<220>

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<222> (105)

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<220>

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<222> (229)

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<221> misc feature

<222> (269)

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1454

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<222> (277)
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<220>
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<222> (294)
<223> n equals a,t,g, or c

<220>
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<222> (327)
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<400> 2188
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gngcccaagg tctgcgtcac cgtcctgccc cccgacgaga gcggncggcc ccgcaggagt 120
ttttcggagc tgtacacgct gtcgctgcag gancctagcn ggcggggggc nccagatnct 180
gtgcaggatg aggtcnaggg ggtgaccctg ctgtccacca naaancagnt gctgcacctg 240
tgcctgcaag atggtggtaa gtcctccang gcctggngat ctggccnagg agangactga 300
gttcctgcac agtcagaact cgctgtnact acgcaag 337

<210> 2189
<211> 526
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1455

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

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<222> (524)

<223> n equals a,t,g, or c

<400> 2189

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gggagcaaac ttaccceggg catcgaacat cacaatgac ctgaaaggaa ccagtacctg 120
tgataaggat gtgtgagtcg aaataactaat aattttatcct cggtaacgta acgctcaaac 180
ctgtgccaaa ggaatatcag tgtgattata accttaatat agtcaaatta ttgccatgcc 240
ccaaagcagg ccaattagtc agagtatttg acataatata attccaacac gtaaaataat 300
tttcacaaca gatctgaagt tcattgngag agaattctgtt ctgtgttatt ccccaaaaat 360
ctcaagtata tagtcatttc aagatgttgc ctgggtgggg tcttgattca ttttcagtaa 420
caaaatcaag tatatggagt acaaacatna ttctttaagg tgatgcactt tggaaaaaaa 480
nntgagtccc ttgnaatttg atgaaggaat tttttgggag caantt 526
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<210> 2190

<211> 553

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

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<220>

<221> misc feature

1456

<222> (24)
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<220>
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<222> (34)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (344)
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<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
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<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
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<222> (480)
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<220>
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1457

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<221> misc feature

<222> (519)

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<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2190

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gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgcggaacgc tgggtgggca 120
tgcagctgga cagagcaagc agctctctgt atgttgcggt ctctacctgt gtgataaagg 180
ttcccccttg ccggtgtgaa cgacatggga agtgtaaaaa aacctgtatt gcctncagag 240
acccatattg tggatggata aaggaaggtg gtgcctgcag ccatntatca cccaacagca 300
gactgacttt tgagcaggac atagagcatg gcaatacaga tggnctgggg gactgtcaca 360
attnctttgt ggcactgaat gggcattcca gttncctctt gccagcaca accacatcag 420
attcgacggc tcaagagggg tatgagacta ngggaggaat gctggactgg aagcatntgn 480
ttgactcanc tgacagcaca gaccctttgg gggcaaggnc ttnccataat caccaaagac 540
aagaagggag tga 553
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<210> 2191

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (606)

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<220>

<221> misc feature

<222> (610)

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<220>

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1458

<222> (611)

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<220>

<221> misc feature

<222> (612)

<223> n equals a,t,g, or c

<400> 2191

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ctgagcctgt gccaggattc caggggggata ccctgcagct agcattcatt gacctcagac 120
aactccttga cctgtttatg gtttgggatt ggtctactta cctagctgat tatgggcagc 180
cagcttctaa gtaccttcgg gtgaatccaa acacagccct tactcttttg gagaagatga 240
aggatactag caaaaagaac aatatatttg ctcagttcag gaagaatgat cgagacaaat 300
agaagttgat agagacagtc gtgaaacagc tgagaagttt ggtgaatggt atgtcccagc 360
acatgtagac ctcacatggc ttgcactcag tgacacccaa tccatgattc aatgttgatc 420
ttgagcaagt attggtcatg atacagtaat ttgtttacag aatccaaaaa tacaatagag 480
aagatacatg agggtctaaa caagaaatag taataaatat cattngtatt ggatttttaa 540
ataatcgatc tattttatat atggaaaaaa aatgaccatt ttttcacttt taggggnaaa 600
attgcnaaan nngtaatact taaattg 627
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<210> 2192

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

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<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

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<222> (315)

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1459

<220>
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<400> 2192
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gtaggatcat tccttttttt gtccattta gagaaataac gtatgcagtg ggacccaaat 120
tctttttcac tcattgcatt attttgctct aaatacaggt aagtgtgtta acagaccagg 180
tggaggctca gggagagaag attcgagatt tggagttttg cttgaagagc acagagagaa 240
gttgaatgcc acagaagaaa tgctggaana ggtatgtcaa aggccagaac caagatggga 300
ttccctgntg aactntgtga natgctgcat tctntgttgg gtt 343

<210> 2193
<211> 642
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (568)
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<220>
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<220>
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<222> (639)
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<400> 2193
gctgcgagaa gacgacagaa ggggtacggct gcgagaagac gacagaaggg tacggctgcg 60
agaagacgac agaagggggtt ttcgcaacgg gtttgccgcc agaacacagg tgtcgtgaaa 120

1460

```
actaccacctt aaagccaaaaa tgggaaagga aaagactcat atcaacattg tcgtcattgg 180
acacgtagat tcgggcaagt ccaccactac tggccatctg atctataaat gcgggtggcat 240
cgacaaaaga accattgaaa aatttgagaa ggaggctgct gagatgggaa agggctcctt 300
caagtatgcc tgggtcttgg ataaactgaa agctgagcgt gaacgtggta tcaccattga 360
tatctccttg tggaaatttg agaccagcaa gtactatgtg actatcattg atgccccagg 420
acacagagac tttatcaaaa acatgattac agggacatct caagcttgac tgtgcttgct 480
ctgattgggt gcttgctggt gttggtgaat ttggaagctg gnatcttcca agaatgggca 540
agaccccgag agcattgccc tttctggntt acaccattg ggtggggaaa caacttaaat 600
ggcgggggnt naacaaaaat gganttcac ttggggccnc cc 642
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<211> 239

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

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<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

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<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<400> 2194

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tggagactgg agaagtaatt ccaccaatga aagaatttcc tgatcaacat cattaaagat 120
tatgtaaaaa gttaaaaggc ttatgagcct aagtttgctt ctatattacc atatttactg 180
aattttcttg aaanntaact tttaaataaa antttaatct cagaaatttg tcattgnnc 239
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<210> 2195

<211> 290

<212> DNA

<213> Homo sapiens

1461

<220>
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<220>
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<222> (209)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
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<222> (235)
<223> n equals a,t,g, or c

<220>
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<222> (243)
<223> n equals a,t,g, or c

<220>
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<222> (287)
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<400> 2195
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ggagccatgg agagtgactt ttatctgcgt tactacgtgg ggcacaaggg caagttcggc 120
cacgagttcc tggagtttga gtttcgaccg gacgggaagt taagatatgc caactcagct 180
gctgctgnnt ccatgtgttc tgggttcana ggtcatggct ncaccggtca gagenctgag 240
tgnctcaggg tttggcaatg gaatttttaa tgtaataaat ctttatngaa 290

<210> 2196
<211> 377
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

1462

<220>
<221> misc feature
<222> (313)
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<220>
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<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
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<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
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cacccaagac cgagactggg aggcgtattg gcggctactc tttaaaaaga tatctttaga 120
ggacattcaa gcttttgaaa agacatataa aggttcggaa gaagagctgg ctgatattaa 180
gcaggcctat ctggacttca aggggtgacat ggatcagatc atggagtctg tgctttgcgt 240
gcagtacaca gaggaacca ggatgaagga ntatcattca gcaagctatt gacgccggag 300
aggtcccatc ctntnaatgc ctttgttcaa agattcgaaa caaaggtgna tgcaagggaa 360
aaggnggggt caggang 377

<210> 2197
<211> 541
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (166)
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<220>

1463

<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (231)
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<220>
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<220>
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<220>
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<222> (284)
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<220>
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<222> (302)
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<220>
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<222> (304)
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<220>
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<220>
<221> misc feature

1464

<222> (318)
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<220>
<221> misc feature
<222> (330)
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<220>
<221> misc feature
<222> (334)
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<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
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<222> (348)
<223> n equals a,t,g, or c

<220>
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<222> (360)
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<220>
<221> misc feature
<222> (373)
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<220>
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<220>
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<222> (415)

1465

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<220>

<221> misc feature

<222> (422)

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<220>

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<220>

<221> misc feature

<222> (485)

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<220>

<221> misc feature

<222> (489)

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<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2197

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cgaggcaaaag atccaagaca aggaaggcat cctcctgac cagcanangt tgatctttgc 180
cggaaaacag ctggaaaatg gtcgnncct gtctgactac cacatccaaa nagatccacc 240
ctgcacctgg tgctccgtct canangtggg atgcaaactt tccngaagac ctgactggta 300
anancatcan tctcgaantg gaccaaatgn cacnttgaca atatcgnnngc tagatcccan 360
acaaagaaaag ngncctctct gaacancana agttgatctt ttgggtgggga aacanttgga 420
anatggaccc cctgtcttg actacnacat cccgaaagat ttccccctt gnccttggg 480
tgctnccnc ctttataang tgggggatgc aaaatcttc ctntcaaaaa accccgaatt 540
g 541

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<210> 2198

<211> 282

1466

<212> DNA
<213> Homo sapiens

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<222> (9)
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<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
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<222> (189)
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<220>
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<220>
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<222> (214)
<223> n equals a,t,g, or c

<220>
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<222> (244)
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<220>
<221> misc feature
<222> (268)

1467

<223> n equals a,t,g, or c

<400> 2198

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aggggggatnt caatcggaaa cnctaacaan tttaccaggg aaaccgctat gaccatgatt 60
acgccangct ctaatacgac tcactatagg gaaagctggt acgcctgcag gtaccggggc 120
ggaattcccg ggtcgacca cgcgtccggg gttcagagct ttctggagng atatcttcag 180
cttgtgatna agagncaa atggaacgaa gagngatcac gatttctaaa tcagaatatt 240
ctgngcactc atctttggca tccaaagntg atgttgagca gg 282
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<210> 2199

<211> 507

<212> DNA

<213> Homo sapiens

<220>

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<222> (79)

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<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (188)

<223> n equals a,t,g, or c

<220>

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<222> (202)

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<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1468

<222> (312)
 <223> n equals a,t,g, or c

<220>
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 <222> (322)
 <223> n equals a,t,g, or c

<220>
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 <222> (404)
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<220>
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 <222> (418)
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<220>
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<220>
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 <222> (480)
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<220>
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 <222> (484)
 <223> n equals a,t,g, or c

<220>
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 <222> (507)
 <223> n equals a,t,g, or c

<400> 2199
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 gcgggcgcta cgccacctng agtcgtggtg cgtccanaga gacaaatacc gatactttgc 120
 ttgtttgatg agagcccgtt ttgaagaaca taagaatgaa aaggatatgg cgaaggccac 180
 ccagctgntg aatgaagccc anggaaagaa ttctggtacc gcagnattna cagccataca 240
 tcttcctga ctctcctggg ggcacctcct atgagagata cgattgctac aagggtccan 300
 aatggtgctt anatgacttg gnatccttct gagaaggcaa tgtatcctga ttactttgcc 360
 aagagagaac agtggaagaa actgcggagg gaaagctggg aacnagaggt taagcagntt 420
 gcaggaggaa acgccacctg gaggtccttt aactgaaagc ttttgccccc tgcncgaaan 480
 gaangtgatt ttgccccac ttgtggn 507

<210> 2200
 <211> 331

1469

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<400> 2200

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gcgctgttgc ttgggaaaaa gggcatcgag aagaacctgg gcatcggcaa agtctcctct 60
tttgaggaga agatgatctc ggatgccatc cccgagctga aggcctccat caagaagggg 120
gaagatttcg tgaagaccct gaagtgagcc gctgtgacgg gtggccagtt tccttaattt 180
atgaaggcat catgtcactg caaagccgtt gcagataaac tttaggatttt aaattgcttt 240
ggngatgatt actggattga catcatcatg ccttccaaat tgggggtggc tctgngggccc 300
cttaataaaag ccgncttgat tttaaaaaan n 331
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<210> 2201

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

1470

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<400> 2201

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ctcgtgttct tgctgatatt accaagtcac tgactaatcc tacgccaata caacagcaac 60
tgagacgctt cactgaacat aactccagtc caaatgtcag tggaagcctc tcctctgggc 120
tgcagaaaat atttgangac cccactgaca gtgatttgca taaactaaaa tctccaagcc 180
aggacaacac agacagctac ttcagagggg aaacattatt gctgggttcag caagcctcct 240
ctcagagcat gacttattct gaaaagggat aaagggaag tagccttcct aatggtcgga 300
gcgtctccct catggacctc caggncactc atgctgtcga agtggagcat gcctctgtca 360
tgcttgatgt gcctatacgc ttgaccggaa gccagcttcc cataaccagc gtggccagca 420
tcaaacagct gcgggaaacc cagagcactn cccaaagtgc accccaagtg agaagg 476
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<210> 2202

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

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<220>

1471

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<220>
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<222> (102)
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<220>
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<222> (121)
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<220>
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<220>
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<220>
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<222> (185)
<223> n equals a,t,g, or c

<220>
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<222> (188)
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cgacgncata cactcttcta tagtagcnac ctacantcaa tncactggcc gtcggttcaac 120
nacgagcacg actgggaaaa ccctggagct acccaactta ntacgccttg cagcacatgc 180
cccnntcnc agctggcgta ataaggga 209

<210> 2203
<211> 311
<212> DNA
<213> Homo sapiens

<220>

1472

<221> misc feature
<222> (186)
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<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<400> 2203
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ggtttgtgat gcgagtgggc actagtggag ttgtgggacc caggggggat ggcattccctg 120
atcgcttctc agtcttggcc tcaggcctga gtcgggacct gaccatcacg aacatccagg 180
aaagangatg agagtgacta ctactgtggg acagatcatg gcagtgggaa caacttcctg 240
tcngtttttc cgcggaangg aaccaaactn aaccgtccta ctttcagccc caaggntgcc 300
cccccnngtt c 311

<210> 2204
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

1473

<220>
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<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (308)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (366)
<223> n equals a,t,g, or c

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tcttataccc actttgatga ggaaggactg tanagttgat gccaggcaga aacaggcaca 120
tatgtgtgtc ttctgcctct ccccagatcc tgtacttcac caatggccat ctgtatccaa 180
ctggttctaa atcaaacggg tcagcctgct tcanaacccc cccacagtgg ggggtggcac 240
actgaaactg actgacgtcc accctcanat actggaacct acctctgcca antcaacaac 300
ccaccanat ttctacccca atnggttttg ggctaatcca accttactgt ncttggttccc 360
ccccnttat cccctta 377

<210> 2205
<211> 465
<212> DNA
<213> Homo sapiens

<400> 2205

1474

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accgcccctg cctgcagttg aacgagtaaa gcctagaatc aaaaagaaaa caaaacccat 60
agtcaagcca cagacaagcc cagaatatgg ccaggggatc aatccgatta gccgactggc 120
ccagatccag caggcaaaga aggagaaggt ggccaagcgc aatgcagccg agaacatgct 180
ggagatcctt ggtttcaaag tcccgcaggc gcagccacca aaccgcact caagtcagag 240
gagaagacac ccataaagaa accaggggat ggaagaaaag taaccttttt tgaacctggc 300
tctgggggatg aaaatgggac tagtaataaa gaggatgagt tcaggatgcc ttatctaagt 360
catcagcagc tgcctgctgg aattcttccc atggtgcccg aggtcgccca ggctgtagga 420
gttagtcaag gacatcacac caaagatttt accagggcag ctccg 465
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<210> 2206

<211> 332

<212> DNA

<213> Homo sapiens

<220>

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<222> (16)

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1475

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1476

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<222> (298)

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<222> (300)

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<220>

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<222> (332)

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<400> 2206

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ctgntggcag ggggcatttg ggngncaatc gatggggcat cctttctgaa gatcttcggg 180
ccactgncgn ccagtgccat gcagttngtc aacgtgggct actnctcat cgcagccggc 240
gtagtggctc ttgctcttgg antcctgggc tgntatggtg ctaagactga gagcaagn gn 300
gccctcgtga cgtacttcta catcctcctc cn 332
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<210> 2207

<211> 452

<212> DNA

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<222> (340)

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<222> (346)

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<220>

<221> misc feature

<222> (405)

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<220>

1477

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<220>
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aaatgctggc tcatgcaag aggctggagc tgtacctntg ctgggtggcc tgttgggaca 180
tctggatcgg ttcaaccatc tggcaccagg aaaggaacgg gatgatcatg aagagttagc 240
ctgcctggca taatggagtc attttttaca ggtcagaact gtagaaataa tgaggaagtg 300
acacttatac gcaaagctga ttgggagaac cataataaan atggangctt ctggactgtg 360
attgacggga aggtgtatga tataaaggga ctttcagaca cagtnggtaa caggaaatan 420
tattctgctt aanttgnaag ggaaagaacc an 452

<210> 2208
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<212> DNA
<213> Homo sapiens

<220>
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<220>
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<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1478

<222> (60)
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<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
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<222> (222)
<223> n equals a,t,g, or c

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<222> (280)
<223> n equals a,t,g, or c

<220>
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<222> (283)
<223> n equals a,t,g, or c

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ataactgcag tgggttttcta ggagtgcggc caaagtcggc atgtgcgtna acaaatagaag 120
agaaggcaaa aaatgctaag ttaaaacaga agagacgaaa gatcaaaaca gaaccaaagc 180
atatgcatga agattactgt tttcaatgtg gagatggtgg anagctggtc atgtgtgaca 240
aaaaagantg tccaaagtat accaccttcc tattgcctn aaactgactt aagcc 295

<210> 2209
<211> 400
<212> DNA
<213> Homo sapiens

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<220>

1479

<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
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<222> (399)
<223> n equals a,t,g, or c

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atgcagcana agcagaaaaa ggcaaacgag aagaaggagg aacccaagta gctttgtggc 120
ttcgtgtcca accctcttgc ccttcgcctg tgtgcctgga gccagtccca ccacgctcgc 180
gtttcctcct gtagtgctca cagggtcccag caccgatggc attccctttg cctgagttct 240
gcagcggggtc ccttttgtgc ttccttcccc tcaggtagcc tctctcccc tgggccactc 300
ccgggggtga ggggggttacc cctttccagt gntttttatt cctgnggggc ttaccccaaa 360
agtattaaaa agtagctttg naattcaaaa aaaatntant 400

<210> 2210
<211> 381
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
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<220>
<221> misc feature
<222> (265)

1480

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<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

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<220>

<221> misc feature

<222> (350)

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<220>

<221> misc feature

<222> (368)

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<220>

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<222> (377)

<223> n equals a,t,g, or c

<400> 2210

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catgacccgc ggtaaccagc gtgagctcac ccgccagaag aatatgaaaa agcagagcga 120
ctcggttaag ggaaagcgcc gagatgacgg gctttctgct gctncccgca agcagaggga 180
ctcggagatc atgcagcaga agcagaaaaa ggcaaacgag aagaaggagg aacccaagta 240
gctttgtggc ttcgtgtcaa cctntttgcc cttcgectgt gtgcctggaa ccaagtccca 300
ccangetcgc gtttcctcct tgtagtgtc acaggtccag naccgatggn attccctttg 360
cccttgantc tgcaacnggg g                                     381

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<210> 2211

<211> 457

<212> DNA

<213> Homo sapiens

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<221> misc feature .

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<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

1481

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 <222> (20)
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 <222> (58)
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<220>
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 <222> (447)
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 ctaattcagc gtcttttgat gaaagatccc aagaagagat tgggatgtgg tccacgtgat 120
 gcagatgaaa tcaaagaaca tctcttcttt cagaaaataa attgggatga tttagccgcc 180
 aaaaaagtgc ctgcaccatt taagccagtc attcgagatg aattagatgt gagtaacttt 240
 gcagaagagt tcacagaaat ggatcccact tattctcccg cagccctgcc ccagagttct 300
 gaggaagctg tttcagggct attctttgtt gctccttcca tctattcaa acgtaatgca 360
 gctgtcatag accctcttca gtttcacatg ggagttgaac gtctggagtg acaaagtgtg 420
 ccaggagtgc aatgatgaag gactctncat tctatca 457

<210> 2212
 <211> 384
 <212> DNA
 <213> Homo sapiens

<400> 2212
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 gaaggaacaa gaggagaaag cagagataaa acgcttaaaa aataacaacg cttcttcggg 120
 gaagttcttt tgtacttcca aatgtcgcag tctgatgacc gggattccaa gcgggattcc 180
 cttgaggagg gggagctgag agatcaccgc atggagatca caataaggaa ctccccgtat 240
 agaagagaag actctatgga agacatctcc ccacaactgc cactgctcac caggacaagc 300
 tgcccttctt gtctccacct ctacgtcccc ctagaatgga tggctggggg agaggtggag 360
 gctgacagct gagacgtagt gtca 384

<210> 2213
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

1482

<222> (136)

<223> n equals a,t,g, or c

<400> 2213

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gaactgtctt cagtagttag ttcaagtgga acagaggggtg cttccagttt ggagaaaaag 60
gaggttccag gagtagattt tagcataact caattcgtaa ggaatcttgg acttgagcac 120
ctaattggata tatttnagag agaacagatc actttggatg tattagttag gatggggcac 180
aaggagctga aggagattgg aatcaatgct tatggacata ggcacaaact aattaaagga 240
gtcgagagac ttatctccgg acaacaaggt cttaacccat atttaacttt gaacacctct 300
ggtagtggaa caattcttat agatctgtct cctgatgata aagagtttca gtctgtggag 360
gaagagatgc aaagtacagt tcgagagcac agagatggag gtcatgcagg tggaatcttc 420
aacagataca atattctcaa gattcagaag gtttgtaaca 460
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<210> 2214

<211> 388

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

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<222> (348)

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<220>

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<222> (358)

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<220>

<221> misc feature

<222> (362)

1483

<223> n equals a,t,g, or c

<400> 2214

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cctggagtg atgggcaggc ttgatacttc tgactctttt atcaattaca atccgtcctt 180
cgaaggccac atctccatct cagctgacaa gttcatcagc accgcctatt taaagtggaa 240
caccttggag gcctcggaca ccgccatgta ttactgtgcc ctttcggggc gacaacaact 300
cgtccccgtc tactgggggc agggaaacca ggtcanccgn cttcttanca atcccganca 360
gncccaaagg ctttcgctg aacctttg 388
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<210> 2215

<211> 384

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (11)

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<221> misc feature

<222> (73)

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<222> (151)

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<220>

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<222> (155)

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<220>

<221> misc feature

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1484

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<220>

1485

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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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1486

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

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<400> 2215

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gtcaccgtga ctagnaagt tctcagttag gttcaaggag aacagtgtgg ctgtcaaggt 120
cgtccagggc cctgcagggtg gtgacaacag naagntacgt tacaaaaaaa agggggagtca 180
ttgcttggnng gtgactntgc agttaggagg gggcaccatg cagagatggc anttncttcc 240
tcctgaacca gcactaatcn cncctttgncc tnnctttttt ggggggttnt ttaancncnt 300
tnnntngggg gggnganggt tnggggttta aantnccctt ttgggggggaa aaaaaaaaaa 360
aaaatttttg ggggggggnc cccg                                     384
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<212> DNA

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<220>

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<220>

<221> misc feature

<222> (211)

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<220>

<221> misc feature

<222> (220)

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<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

1487

<220>
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 <222> (267)
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 ttcaaacctt ccaaccaacc ctataagccg tctcatcagt ctctaataga ctcatTTtca 120
 gctattagat atggatgata tatgatgatt ncattatcat atTTttcaag gacttactta 180
 ntggctgatt atcagtggta aatcctccaa ngagaaaatn gatgatctga agaaactggn 240
 gttagtgagt gccaagattn gaccaantgg gcatatgcct tgtggaatt 289

<210> 2217
 <211> 408
 <212> DNA
 <213> Homo sapiens

<400> 2217
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 cctcacggta atgttggaact cggtgacaca cagcaccttc ctgcctaata catccttctg 120
 cgatccccctg atgtcgtgga ctgatctgtt cagcaatgaa gactactacc ctgcctttga 180
 gcatcagaca gcctgtgact catactggac atcagtccac cctgaataact ggactaagcg 240
 ccatgtgtgg gagtggctcc agttctgctg cgaccagtac aagttggaca ccaattgcat 300
 ctcttctgc aacttcaaca tcagtggcct gcagctgtgc agcatgacac aggaggagtt 360
 cgtcgaggca gctggcctct gcggcgagta cctgtacttt caattcct 408

<210> 2218
 <211> 614
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
 <221> misc feature
 <222> (322)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (427)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (553)
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1488

<400> 2218

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tccaggaaaag aggaggagga agacagcaca ttcaccaaca tttctcttgc agatgacata 180
gaccattcct caagaatttt gtatccaagg cccaaaagtt tgttacccaa gatgatgaat 240
gctgacatgg atgatctctc tgcaagagta gatgcagtta aggaagaaaa tctgaagcta 300
aatcagaaa accaagttct tngacaatat atagaaaatc tcatgtcagc ttctagtgtt 360
tttcaaacaa ctgacacaaa aagcaaaaga aagtaaggga ttgacaccct tctgttttat 420
ggaattnctg ctgatcattt tttcttttaa acttggatag attccaaaag ttacagtacc 480
tttgtggctt cattgaatat ttatgaagat aatgtcagat gtagacaaaa ataacacaat 540
aacaggagac ttncataagt ttgtgtatta tgttagtcta tgaaaacgtg caaatgtatt 600
gtagagactt tatg 614
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<210> 2219

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (442)

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<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (472)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1489

<222> (608)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (620)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (628)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (629)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (651)
 <223> n equals a,t,g, or c

<400> 2219
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 tatttttttt tccccattcc agatcctggg tgtttggctg acctacagat acaggaacca 180
 gaaagacccc cgcgcgaatc ctagtgcatt cctttgatga gaaaacaagg aagatttcct 240
 ttcgtattat gatcttggtc actttctgta attttctgtt aagctccatt tgccagttta 300
 aggaaggaaa cactatctgg aaaagtacct tattgatagt ggaattatat atttttactc 360
 tatgtttctc tacatgtttt tttctttccg ttgctgaaaa atatttgaaa cttgtggtct 420
 ctgaagctcg gtggcacctg gnaattaatg ggattcaatg gccggcaactn gncnnttggg 480
 cctntttaag cattttttacc tggcaaaaaa acttttggtt ggacccctgg ggttgggtta 540
 atatggggaa atctgaacgt anaattttta ctgggaataa ataatatgaa ccctgggctg 600
 gggaaaangg tcctactggn aaaaagannng ggaaattatt aaaatcagaa n 651

<210> 2220
 <211> 569
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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1490

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<220>
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<222> (46)
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<222> (247)
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<220>

1491

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<220>
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<222> (335)
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<220>
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<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (395)
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<220>
<221> misc feature

1492

<222> (408)
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<220>
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 <222> (436)
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<220>
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 <222> (512)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (520)
 <223> n equals a,t,g, or c

<220>
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 <222> (529)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (531)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (537)
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<400> 2220
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 gacgcaccgg aaattccgca aggtggcagt ccagecncct gctcangatt ccggcctaac 180
 ccggagctga cggaggcnct gaccaccagc ttcgtgcgga ggctgttctg gggtagccng 240
 ggcgcgngaa ctccgctcgc tgaanctttg agaactncca gcgcattcctc nagegattcct 300
 gtctcagcgc ctgngagcct gaccgctgaa nagecncgac aaccttcttc gtaccncggg 360
 acccccaggt ttttgcgaaat ccngaataa ancnnngggag tcgtcacngg ctctcgcgc 420
 ctcaaggtgg aaatcntggc ctgtgcctcc caaaacaaag tggggaaccc agtctcggtc 480
 acctgggaac atgggtgaaca tgtgaatgca anatctgggn atcggaagnc ngaattncaa 540
 atgtgactcc acctcttgtg aagccgtga 569

<210> 2221
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>

1493

<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<400> 2221
gccccacgcgt ccggggaggat gagcaattcc ccagcataacc ggctctgggtt cacagttata 60
tgacaggcag gcgcccactg tcccaggcca caggggctgt ggtctccagg cctgtgactt 120
ggcagggggcc tctgcgacgc agcttttagcg aggacaccct gatggatggc ccagctcgga 180
tagagcctat cagggcaagg aagtggagca acagtcagcc tgcagatttg gcacatatgg 240
ggcagtcaag agaagacccc gctgggatgg aagcctccac catgcccata tctgccttgc 300
cccgaacgag cagttgaccc cgggtgttgc gaaggccctt gctccctggg aacttggtgc 360
cgacaagtct cagggcctnc gatgggcaac ttaagccnan gcaccancga ancc 414

<210> 2222
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)

1494

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (521)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<400> 2222

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gcctccggga cttggaacgc cccgggtggg tgggtgtccgg gcgtcctttc cccgctttct 60
cccacctcgg ctggtcccgt ttcttcctgc gcccagtgcg gacctgtctc ggcgcccgcg 120
gccctctcac cgccccacgc aggatccccg cctgggtcacc gggcagtgng atgcttcccc 180
actgccgcgg ggacagcgag gcacacacag ggcttggggc gcgccggagg ccacacggcc 240
tggtctgagtt gctcctgggtc tcccgcctct cccaggcgac ccggaggtag catttcccag 300
gaggcacggg cccccccagg gggatgggca cagccacgcc agatggacga gaagaccaan 360
aaagcanagg aaatggccct gagcctcacc cgagcagtgg cgggcgggga tgaacagggtg 420
gcaatgaagt gtgccatctg gctggcagag caacgggtgc ccctgagtgt gcaactgaag 480
cctgagggtct ccccaacgca ggacatcaga ttctctcatgg ngcaaaatgg ccattccagc 540
tncatccagc catnacantn acagggagga a 571
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<210> 2223

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1495

<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<400> 2223
atntaattcc catcctaaac ccctttgnaa tacgcctcac tatagggaaa gctgggtacgc 60
ctgcagggtac cgggtccggaa ttcccgggtc gacccacgcg tncggccant aagcaagctg 120

1496

gacaaaagaa gaaacaagga catgaccnaa aggctgctgn caaagctgcc ttaatatata 180
cctgcactgt ctgtaggaca canatgncag accctaanac cttnaagcag cactttgaga 240
gcaagcatcc taagactcca nt 262

<210> 2224
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<400> 2224
gtaaataaca gatgcgggtg aaagatccaa ctaaagcttt acctgagaaa gccaaaagaa 60
gtaaaaggcc tactgtacct catgatgaag actcttcaga tgatattgct gtaggtttaa 120
cttgccaaca tgtaagtcac gctatcagcg tgaatcatgt aaagagagca atagctgaga 180
atctgtggtc agtttgcctca gaatgtttaa aagaaagagg attctatgat gggcagctag 240
tacttacttc tgatatttgg ttgtgcctca agtgtggctt ccagggatgt ggtaaaaact 300
caganagcca acattcatt 319

<210> 2225
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (429)
<223> n equals a,t,g, or c

1497

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 2225

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atattgaaag ttggggcgcc tgcaggtacc ggtccggaat tcccggggat ttcaactcct 60
agctttttcat cctactataa aggaggattt gaacagaaaa tgagtaggcg agaagctggt 120
cttatttttag gtgtaagccc atctgctggc aaggctaaga ttagaacagc tcataggaga 180
gtcatgattt tgaatcaccc agataaaggt ggatctcctt acgtagcagc caaaataaat 240
gaagcaaaaag acttgctaga aacaaccacc aaacattgat gcttaaggac cacactgaag 300
gaaaaaaaaa gaggggactt cgaaaaaaaa aanaaaaggg cggccgctct agaggatcca 360
agcttacgta cgcgtgcatg cgacgtcata gctcttctat agcggcacct anattaattc 420
actgcncnnc gttttacaac gtccgactgg aaaaaccct ng 462

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<210> 2226

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<400> 2226

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taanggnaca aagctggngc tccaccgcgg tgnccggcgc tctagaacta gtggatcccc 60
cgggctgcag gaattcggca cgaggaggag agcatgaatg agagtcaccc tcgcaagtgt 120
gcagagtctt ttgagatgtg ggatgatcgt gactcccact gtaggcgccc taagtttgaa 180
gggcatcccc ctgagtcttg gaagtggatc cttgcaccgg tcattcttta tatctgtgaa 240

```

1498

```

aggatcctcc ggttttaccg ctcccagcag aagggttgtga ttaccaaggt tgttatgcac 300
ccatccaaag ttttgggaatt gcagatgaac aagcgtggct tcagcatgga agtggggcag 360
tatacttttg ttaattgccc ctcaatctct ctcttgggaa tggcatcctt ttactttgac 420
ctctgctcca gaggaagatt tcttcttcat tcatatncga gcagcagggg acttgacaga 480
aaatctataa ggg                                     493

```

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<210> 2227
<211> 520
<212> DNA
<213> Homo sapiens

```

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<220>
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<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

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<400> 2227
gtcnnncngac agtgacngta cngtattccc gggctcgaccc acgcgtccgg taaaattctg 60
ggctctggta tcagttcctc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa 120
gtgatgtaac atctgtcaaa gatgcaaaaa tagcagtgtg ctcttgtcct tttgatggca 180
tgataacaga aactaaggga acagtgttga taaagactgc tgaagaattg atgaatttta 240
gtaaggggaga agaaaacctc atggatgcac aagtcaaagc tattgctgat actggtgcaa 300
atgtcgtagt aacagggtggc aaagtggcag acatggctct tcattatgca aataaatata 360
atatcatgtt agtgaggcta aactcaaaat gggatctccg aagactttgt aaaactgttg 420
gtgctacagc tcttcctaga ttgacacctc ctgtccttga agaaatggga cactgtgaca 480
gtgtttactc tccagaagtt tggagatact cagggtggttg                                     520

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<210> 2228
<211> 538
<212> DNA
<213> Homo sapiens

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1499

<220>
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<222> (12)
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<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
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<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

1500

<220>
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 <222> (298)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (325)
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<220>
 <221> misc feature
 <222> (386)
 <223> n equals a,t,g, or c

<220>
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 <222> (475)
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<220>
 <221> misc feature
 <222> (477)
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<220>
 <221> misc feature
 <222> (489)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (537)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (538)
 <223> n equals a,t,g, or c

<400> 2228
 tttacaactt cnttcnnngg ggggaaaaaa aaggcccttg gggtttaacc cggccccctt 60
 tggcccaaag gggtttaacc cccggggggt ncccccgggg aaaaattttt cccccggggg 120
 ggggttnccgn aacccccaaa cggncccgtt tccccggggc cggggggggn aaccggaaac 180
 cgnTTTTgga aaaaagcccc caattggggg cccccggggt ttaccggtt cccaaaggga 240
 aactTTTTcc ccaaccccc aagaacttg gttttggggg ttcttgaacc cgggcttncc 300
 aacaaaaaca agggtttgcc ccaangctta gtcacaagtt acccgcggtt tacttacaat 360
 tgccgggccc caaggatgaa gaccangact acatctggac cactcattgc atctacctgt 420
 aacctgacgg ctttacggat actacggcga caatcgctac agattaacat gtcgngnaca 480
 tgcggttcna tgctgtttac cactgatctg cccatattaa cggctggtta aaaaaann 538

1501

<210> 2229
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 2229
gcgcgcgggt cgcactttcc aggtttcttc cccaggggaac agagcttgag cgggggggcca 60
cccccccgtc ctaccggagt tctgaggtgc ggtcaggcgc ggagagcgga cgcccagcgc 120
cagattctgt gggctccgga gttcaggccc actgagccgc agctgagcac aggcggggca 180
ggaaaaagga tgaggtgagg gaaggcgcgtg ggttcctgga accccaaggg agcactgagc 240
tgagtaagtt ngttcctgtc aattgggaac cccctcaacc acttccattc cccaaatacc 300
tgcgctgcta ccgatgcctc ttggagacca aggagttagg gtgccttctg ggatctgaca 360
tctgcctcac cccagctggc agcagctgca tcaactctcca caaaaagaac agcagcgggt 420
ctgacgtcat ggtgagtgac tgccgaagta aggagcagat gagtgattgt tcaaataccc 480
gaacttctcc ggtgtctggc ttctggatat tctctcaata ctgcttctct gatttctgca 540
atgaccctna aaac 554

<210> 2230
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (233)
<223> n equals a,t,g, or c

1502

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<400> 2230
gcagctgtac aatgccatct tcaatcatta ctctgaaaaa tgggaattcag aacatgctgc 60
agttttatat tccggaggta gaaggcgtag aacaggttat ggatgatgaa tcagatgaaa 120
aagaagcaaaa ctcaccttaa aataatctgg attttctttg ggcataacan acagacttgt 180
tgatnatata tatcaagttt ttattattaa tatgcntgag gaacttgaag atnaataaaa 240
tatgctcttc atanaatgat atttct 266

<210> 2231
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)

1503

<223> n equals a,t,g, or c

<400> 2231

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gttcagctcc aaaagcccct gccacacctg gggcacagnt ggcacctgat gtgagactgc 60
tctatgtgct agccattgcc gcgcttggtg gcctctgcct catcctggcc tcctccctcc 120
tctatgtggc ctgtctgcgg gaaggcagac gagggcgccg acggaaatac tcaactgggtc 180
gggccaacnc gggcaggagg atctgcggtg caactgcatg acagtcttaa gccantgtcc 240
tgnanaggaa gatgaggggtg atgatgaagg gggcttnggg gccttgaagg gcaan      295
```

<210> 2232

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 2232

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gtcgggtgtg agtntttttca gcaacccggt ccagtactgg gagatacagc catccacctt 60
cagatgtgtc tacgtgcgct ctgccattca actcggaac tataagtaat tctcaagaaa 120
gccctcattt ttataacctg gcaaaatctt gttaatgtca ttgctaaaaa ataaataaaa 180
gctagatact ggaaacctaa ctgcaatgtg gatgttttac ccacatgact tattatgcat 240
aaagccaaat ttccagttta agtaattgcc tacaataaaa agaaattttg cctgccattt 300
tcagaatcat cttttgaagc tttctgttga tgttaactga gctactagag atattcttat 360
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1504

ttcactaaat gtaaaatttg gagtaaatat atatgncaat atttagtaaa gcttttcttt 420
tttaatttcc aggaaaaaaa taaaagagta ttgaagnctt ctgnaattca ttnagcaagt 480
agnt 484

<210> 2233

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1505

<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
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gttaatgcga tccatttctt ggtacacaaa ctgccagaga agaataaaga gatgttggat 180
attttggtga aacacttaac aaatgtttna aatnactcca agcagaaccn gangactgtg 240
gcaaacttag gagtgggtgt tggaccaact ctgatgaggc cacaggaaga aactgtngct 300
gccctnatgg actttgaagt ttcagantat tgttgtggga aatcttaatt ggaaaaccag 360
gaaaagggtt tttnggncgn nncnngnat taaattnnnn gngnccanct nncttntaaa 420
gnatnanccc gnaantgggg ncagcaaggn nanttggngg ngtnaagggc cagnngncca 480
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<400> 2234
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cagctggttt gagcaactga actggaaaca agatgcagga ccccaacgca gacactgaat 120
ggaatgacat cttacgcaaa aagggtatct tccccccaa ggaaagtctg aaagaattgg 180
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattcggaga agttttggag atctcangga aggattatgt tcaagaagtt accaaagctg 420
gcgagggcctt gtnggtcatc ttgcaccttt acaaccaagg aattccc 467

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ttcaatactt ttccattatt ttctctcttt tttatagagc taatgtcaaa ccccgaaatt 120
ccacaccacc tagtttggca agaaatcctg ccccggtgt gcttacaac aaaagaaaaa 180
catatactga gagctacata gccaggccag atggggactg tgcactctcc cttaatggtg 240
gaaatattaa aggcattgaa ggacattcac ctggaaactt accaaaattc tgccatgagt 300
gtgggactaa ataccctgta gaatnggcc aattttgctn tgaatgtggc attcgaagaa 360
tgattctatg aatagaatct caaaaaaaaa aaaaaaaaaa caagttcaaa agtttatgat 420
tattgntgnt tggncagct anaacacatc cttaattaan tttgggctaa aaatct 476

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1511

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gcggtctaagt cccggcagcg ggaacaccga gagcgaacca gcctggcttt cgaaaacatc 120
tgggcctgtt ggagaaaaag aaagattaca aacttcgtgc agatgactac cgaaaaaac 180
aggaatacct cagagctctc cggaagaagg ctcttgaaaa aaatccagat gaattctact 240
acaaaatgac tcgggttataa ctccaggatg gattccacgt tattgaagga gactgaaggg 300
aggaagtga ctcgcagaac aactggaaac tgatgagaac ccagggtgtc caaatatgat 360
gagaaatgga aaagggtttg ccgggaactg aaggaaaatt ggaaaganga aantccgagn 420

1512

tcccnctgg ctgggatttt cccgggggaa gccngccgga tgaagccatg tggtnntntt 480
tttgaccac ccaaaaaggg aagttggagc cnnttgatg ttggcca 527

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1513

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ggagtggcca ctgacggaag ttgcataang tgtttttgaa ancgangccc cgggangata 120
taagttctat ttgcaaaatc gcagtctgcc tcagtcanat cctgtattaa aagttactct 180
ngcagtgtct gatcttcaaa aatccttgaa ctactggtgt tatctactgg gaatgaaaat 240
ttatgaaaaa tattataaaa gctatcgggc ttgcttgggc tttctgaaaa acccttggtta 300
anctggancn acaggcntca aggggtggggt gaaacatncc cc 342
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<222> (34)

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<400> 2238
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 ccctgcaggt accggtccgg aattcccggg tcgaccacg cgtccgtgga gctgaatgag 120
 ttgctcctgg acaaaaacca ggagccccag tggcgggaga cagctcgctg gatcaaattt 180
 gaagaagacg tggatgaaga tgcccatgat tcagaggcca aagtggcgag cctgagagga 240
 atggagttac aggggtgcgc cagcactcag gttgaatcan aaaataacca anaagaacag 300
 aaacaggtgc gcttaccaga aagccgtctg acaccatggg aggtgngggtt tattggcnta 360
 gaaaaagaag aacgtgaccg gctgcacatc aaagctntag aggaattaaa tcaacnctag 420
 aanaaagaa 429

<210> 2239

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1515

<212> DNA

<213> Homo sapiens

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<222> (65)

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<400> 2239

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cccgctgct aataaaggag ccttccaagc gtgtggggca ttttcgtgga ctacagaatt 120

ggaaagcatn ttcttttaca atgtgaaaag caagatncca catttataca ttngncagat 180

ggtttttttt ttgggnccct ttaaa 205

<210> 2240

<211> 265

<212> DNA

<213> Homo sapiens

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1516

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 tgcctcgtca tctaattagt gacgcgcatg aatggatgaa cgagattccc actgtcccta 120
 cctactatcc agcgaaacca cagccaaggg aacgggcttg gcggaatcag cggggaaaga 180
 agaccctgtt gagcttgact ctagtctggc acggtgaaga gacatgagaa ggtgtaaata 240
 aagtgggang cccncnnnc cccc 265

<210> 2241
 <211> 483
 <212> DNA
 <213> Homo sapiens

<220>
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 ctagtggatc cccggggctg caggaattcg gcagagcaaa accaatggta ggaaatgttt 120
 ttaggggaatt gggctaattg atagcaatgc agtgatagga tcttaaaata acagtgacaa 180
 ggtcgtagtgt tttaactgtc agataaatgg caaggtcaaa gtggcagtca ggaggagtta 240
 cttgaggaga tcagtggagt tggttaatag aaaataatat tcttaagggc aagatagatg 300
 ggcagctaac aaggctatat cttgaacaat ataattgaaa gaaattatta aaaaacggtt 360
 gattaagagg caaagtgcaa ctacacaaat taaaaaagcg ttatcccttg actagtttct 420
 gatcctgagc cagtgccttag gcctagaacc cattgatcaa aaaaagagggt tgaatgtaca 480
 gga 483

1517

<210> 2242
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 <212> DNA
 <213> Homo sapiens

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<220>
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 tctagaacta gtggatcccc cgggctgcag gaattcggca cgaggggtata caggaaatgg 120
 ataatactgt aacaatctgc agctgtctca tatgttatat aaagaatgaa ctcataacag 180
 tgagaaaagg gtatgtagtg cttttatgaa tactaaaaaa atagggtcaaa ttcctggnat 240
 atgtatgact tggttttatt ataattatga aaccctttaa cctattattc ttttaaatac 300
 aagcagaaat acaagacatt gccattacca gttagcttta atagactcaa gaaacaaaat 360
 agtctcttaa gttttatgta agtgataaaa taaactaaga gttcctcata gatataatac 420
 ttgaaaaatg gtttctagtt agtgacggtg gaataaaatc attttcttac tctcttctct 480
 tgaatgccaa tgaaaagaaa atcaaacaaa agatagaaaa tgtcaatttc aaagacacaa 540
 acaatcaaac aa 552

<210> 2243
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 <212> DNA
 <213> Homo sapiens

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<220>
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1518

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<222> (12)
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<222> (57)
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cgctctagaa ctagtggatc ccccgggctg caggaattcg gcacgttcgg cacgagcaaa 120
agatacaaac ttagtatttc caggcattga acagcaggct ttccaggact gtcatecttg 180
agaaaatgga gatacatgag gtgagcccca cgtttctccc acctttctgc tcagctttct 240
gcgacagagc acgttccccgt tgcagcacia gtggagctgc agtatcagaa cctaaggagg 300
cagagagtgg aattctgggt tgctggcatg actggaatat ttgctagaga ggaggaactg 360
ctccaagaag ttctagaagt ctctggacat tcaaactagg tcctgagaac tgtatatattt 420
aaatgcttgc attggaactg ttttaaacca atgatctcaa gtctttgtct taagttagaa 480
aaagaagggc aaattaaacg ccaagttaat agaaggaata aaatagcaca 530

<210> 2244
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<212> DNA
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1519

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cgcggtggcg gccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagc 120
gctnagccgt cccttctcgn catgtcccag agcangcacc gcgccgaggn cccgccgctg 180
gaacgcgagg acagnngggac 200

<210> 2245
<211> 127
<212> DNA
<213> Homo sapiens

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1520

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<222> (105)
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<400> 2245
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tgcccgctgt tttaacaant cgtgactggg aaaacccana caccnctcct tctttntang 120
gccccct 127

<210> 2246
<211> 229
<212> DNA
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<222> (29)
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1521

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<220>
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<220>
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<222> (223)
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ggctgctcta gaactagtgg atcccccggt ctgcaggaat tcggcacgag cggcacgagc 120
ggcacgaggg gggggcccggt acccaattcg ccctatagtg agtcgtatta caattcactg 180
gccgtcgttt nacaacgtcg tgactgggaa aaccaanga ntnganatt 229

<210> 2247
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<212> DNA
<213> Homo sapiens

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<220>
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<222> (102)
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<220>
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1522

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<220>
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<222> (107)
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<400> 2247
gctcgtgccg aagggggggcc cggtacccaa ttccgccctat ngtagagtcgt attacaattc 60
actggccgctc gttttacaac gtcgtgactg ggaaaaaccc annncctct c 111

<210> 2248
<211> 99
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (99)
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gcggcacgag gggggcccgg taccaattcg ccctatagtg agtcgtatta caattcactg 60
gccgtcgttt taaacgtcgt gactgggccc naaaannnn 99

<210> 2249
<211> 165
<212> DNA

1523

<213> Homo sapiens

<220>

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<222> (155)

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<222> (158)

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<220>

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<222> (159)

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<222> (162)

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<222> (164)

<223> n equals a,t,g, or c

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attaaccctc actaaaggga acaaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtgggg gcccggtacc caattcgccc tatagtgagt cgtattacaa ttcactggcc 120
gtcgtttttac aacgtcgtga ctgggaaaaac ccaantcnnt tntnc 165

<210> 2250

<211> 573

<212> DNA

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<222> (66)

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<222> (76)

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1524

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1525

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<222> (284)
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<220>

1526

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<220>
<221> misc feature

1527

<222> (558)

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<220>

<221> misc feature

<222> (568)

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ggtggnggtc gttctncaac tagtggatcc cccgggctgc aggaattcgg tacgagccag 120
agaccanccc atgaagagtg gtgggtggtt tattcactgg aaatggtgcg ttinntgctnn 180
ccnaaaacnc acgtnnactt cngaggaatg atgggcaa atctggtctncn tggntgaaac 240
ccttnttttc ccntagatgc tttaaccttn gttgggtttcg gctntagggt tcatagtcnc 300
ttctgttccc ttctccattc tgganaagga cttcccctac atacaccctg attncttgtn 360
gctgtgggga ttggacgtaa cattcaaaga tcntatgtgc ttctctcact tcggatataa 420
acactctggg ttttacagca atnancgtcc taaccttcat ngnganaaat aaaacatctc 480
tcttctactc ctgctgtttc atgcgccact cctttggggg ctttntcaat ttgttgaact 540
cctancttcn ttccctanaa atttccangt acc 573
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<210> 2251

<211> 112

<212> DNA

<213> Homo sapiens

<220>

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<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

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<220>

<221> misc feature

<222> (106)

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<220>

<221> misc feature

<222> (112)

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<400> 2251

1528

gcggcacgag cggcacgagg gggggcccg taccgaattc gccctatant gagtcgtatt 60
acaattcact ggccgctcgtt ttacaacgtc ntgactggga aaccnaaaa nn 112

<210> 2252
<211> 247
<212> DNA
<213> Homo sapiens

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<220>
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<222> (236)
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<222> (243)
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<220>
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aaagctggag ctccaccgcg gtggcgcccg ctctagaact agtggatccc ccgggctgca 120
ggaattcggc acgagcggca cgagcggcac gagggggggc ccggtaccca attcgcccta 180
tagtgagtcg tattacaatt cactggccgt cgttttataa cgtcgtgata ccccnaaaa 240
aannttn 247

<210> 2253
<211> 103
<212> DNA
<213> Homo sapiens

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<222> (39)
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<220>

1529

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
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<223> n equals a,t,g, or c

<220>
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<222> (103)
<223> n equals a,t,g, or c

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tggccgtcgt tttacaacgt cgtgactggg aaaacnnaaa tnn 103

<210> 2254
<211> 111
<212> DNA
<213> Homo sapiens

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<220>
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<222> (48)
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<220>
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<220>
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<220>
<221> misc feature
<222> (111)

1530

<223> n equals a,t,g, or c

<400> 2254

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acaattcact ggccgctcgtt ttacaacgctc gtgactggga aaaccaant n 111

<210> 2255

<211> 187

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (16)

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<222> (20)

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<222> (93)

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<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (152)

<223> n equals a,t,g, or c

1531

<220>
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<222> (187)
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cccccgggct gcaggaatcc ngcacgagcg ganacgaggg ggggcccgt acccanttcg 120
ccctatagtg agtcgtntta caattcactg gncgtcgttt tacaacgtcg tgactgggaa 180
aacccan 187

<210> 2256
<211> 155
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (22)
<223> n equals a,t,g, or c

<220>
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<222> (24)
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<220>
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<220>
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<220>
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1532

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<222> (119)
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<220>
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<222> (120)
<223> n equals a,t,g, or c

<220>
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<222> (154)
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ggcggttcgct ctagaactag tggatccccc gggctgcagg aatccggnac gagcgnaann 120
agggggggcc cggttcccaa ttcggcctat attna 155

<210> 2257
<211> 125
<212> DNA
<213> Homo sapiens

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
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<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (116)
<223> n equals a,t,g, or c

<220>

1533

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<223> n equals a,t,g, or c

<220>
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tgggcgtcgt tttacaacgt cttgactggg aaaacccaaa tnnntttctn tgttnttctn 120
ttncc 125

<210> 2258
<211> 112
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (112)
<223> n equals a,t,g, or c

<400> 2258
gcggcacnag cggcacnagg gggggccccg tacccaattc gccctatant gagtcgtatt 60

1534

acaattcact ggccgctcgtt ttacaacgtc gtgactggga aaaccnaaa nn

112

<210> 2259

<211> 120

<212> DNA

<213> Homo sapiens

<220>

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<222> (113)

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<220>

<221> misc feature

<222> (120)

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<400> 2259

ancggcacga ncggcacgag ggggggcccc gtaccaatt cgccctatan tgagtcgtat 60
tacaattcac tggccgctcgt ttacaacgt cgtgactggg aaaacccaaa nnnttttcn 120

<210> 2260

<211> 197

<212> DNA

<213> Homo sapiens

1535

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<220>
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<220>
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<222> (38)
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<222> (147)
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<220>
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<222> (173)
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<400> 2260

1536

tncttntaat taaaggcccc tngaggcacc cgcggtgnaa gacgctctat ttctagtgga 60
tcccccgggc tgcaggaatt cggcacgagt ggcccnaggg ggggcccggt accctcttcn 120
ncnttttagtg agtcgtatta caattcnctg gccgtcgttt tacaacgtcg tgnctgggaa 180
aaccatggtt tggtgac 197

<210> 2261

<211> 242

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

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<222> (20)

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<222> (232)

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<220>

1537

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<220>
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ggagctccac cgcggtggcg gacgctctag nactagtgga tcccccgggc tgcaggaatt 120
cggcacgagc ggcacgaggg ggggcccggg acccaattcg ccctatagtg agtcgtatta 180
caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccagcna nnaganangg 240
gc 242

<210> 2262
<211> 145
<212> DNA
<213> Homo sapiens

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<222> (1)
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<220>
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1538

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<222> (141)
<223> n equals a,t,g, or c

<220>
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<222> (143)
<223> n equals a,t,g, or c

<400> 2262
ngtggagngg aaggggtatat tgcgttagct ngccaattaa ccctcantaa tgggaacaag 60
acctggagct ccaccgcggg ggcggccgct ctagaactag tggatccccc gggctgcagg 120
aattcggcac gagggtnatn nantc 145

<210> 2263
<211> 373
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (40)
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<220>

1539

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 <222> (226)
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<220>
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<220>
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<220>
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<220>
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 <222> (340)
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<220>
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 tcgatatcaa gcttatcgat accgtngacc tcgagggggg gcccgggtacc caattcgccc 120
 tatagtgagt cgtattacaa ttcaactggcc gtcgttttac aacgtcgtga ctgggaaaac 180
 cctggcggtta cccaacttaa tcgccttgca gcacaatccc cctttngcca gcttggagta 240
 ataagcgaag aggcccgcac cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa 300
 tgggacgcgc cctgtagcgn tgcattaagc gcgnnngtgn gntgggttacc cgcagtgtga 360
 ccgctacact tgc 373

<210> 2264
 <211> 434
 <212> DNA
 <213> Homo sapiens

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<220>
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1540

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<400> 2264

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gccgctctag aactagtgga tccccgggc tgcaggaatt cggcacgaga tttccaggta 120
gatttctcag ccagctctaa aacagattgc tttttcagtg gccttactct ttgtggggtt 180
tttttttttt ctctgaactt gatataaaga ttttatttgt cccttgaaaa agtaacaaat 240
gtgcatagat caatttgtac tactttgggc attggatatt tctgacctt attgcattgt 300
acctaaagga gagtaactaa tggtaacctt tttaatagag tatgtgaaag gtagtggctg 360
atgaatcctt aacgttcata ggggtctttt gctgttacgg ttgtatatag aggtctggaa 420
ggatttttaa aatg 434
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<210> 2265

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

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 gacctcgagg gggggcccg taccgaattc gccctatagn gagtcgnatt acaattcact 180
 ggccgtcggg ttacaacgnc gagactggga aaaccctggc gntacccaac ttaatcgncn 240
 tgnaggacat ccccttttcg ncagntggcg taatagegaa gagggccgna ccgancgcct 300
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atcttccccg catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 240
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ggtaactncc aggagagtgt cacagagcag gacagcaagg acaganctac agcctcagca 360
gcacctgacg gtgagcaaa gcatncggg gaacacaagt ttaggcttcg agtcancnt 420
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1545

gcaccatctg ttttcatctt cccgccatct gatgagcant tgaaatctgg aactgcctct 180
gttgtgtgcc tgctgaataa cttctatccc agagaggcca aagtacagtg gaaggtggat 240
aacgccctcc aatcgggtaa ctcccaggag agtgtcacag agcaggacag caaggacagc 300
acctacagcc tcagcagcac cctgacgctg agcaaagcag actacgagaa acacaaagtc 360
tacgcctgcg aagtcaccca tcagggcctg agctcgcccg tcacaaagag cttcaacagg 420
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 ctctgcgttt atggaataca actgaagttg ctccagcaact aantgtattt aatgatacta 180
 aagaactggg aatccctgcc tctgtggatc tantgagcan tgacccgagc catatngtat 240
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 ctttanaatc caatgtaata caacanccaa ctcttcctgc caaatnaatt nnantcatca 360
 ntctcctact cttccgatca acatcctgct ccttaaaaaa ngcnatccaa ttctatnata 420
 acnattccgg caaatnatcc ctccatggtn ccccccttaa actntttcaa ttttaacctt 480
 ttaacccccag ggccttacct tnanattttg gccncccaaa aatttcnna cnttttttgg 540
 aacccccaaa ttttaaaatt ttttcccaaa aaatcccccc nccccncnaa aaatttttta 600
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1549

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1550

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<222> (516)

<223> n equals a,t,g, or c

<220>

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<222> (527)

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<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

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<221> misc feature

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<220>

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<222> (636)

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<220>

<221> misc feature

<222> (650)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<400> 2272

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cgtggggctg gagctccacc gcggtggggg gccgctctat aactaatgga tcccccgggc 60
tggatgaatg cggcccagagg tnatgtctca caaanagtnc tccgcnccca gacatgggtc 120
ccnngcttc ctgcctcgga agcgcanac cnggnntcgt gggaagggtga anatcttccc 180
taaggatgac ccatccaagc cgtccacct cacatccttc ctgggataca aggctggcat 240
gactcacatc gtgnggggaag tgcacaggcc gggatccang gtgaacaana aggaggtggt 300
ggaggcngtn accattgtng agacaccacc catggtgggt gtgggcattg tngcnacat 360
gaaaaccct cgangcctcc ggaccttcn tactgtcttt gctgancaca tcagtgatga 420
atgcannagg cgtttctatn nnaattggcn ttcattctaat aacaangcct ttaccatnta 480
```


1560

ctgcannaaa tngcaggatn aggatngcna gaagcngctg ggagaangac ttcagcagca 540
tgaaaaaata tgcccagtca tccgtgtcat tgcccacanc caggattcgc ctgcttcctc 600
tgcgccagna aaaaaggcca cctgatggaa catccnggtg aaccgaaggn ggtggtggcc 660
ganaaactng gacttggggc c 681

<210> 2273

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<400> 2273

ggcagagnca gatatccatg tgtggaagct ctgagtcact gaatagcaaa gaaaaatatg 60
aaagcaagag gaattgcttt cacatctaga aaatgttgca agataatctg aaatcttctg 120
gtgctggtga atgcatgaag aggttcacag tatcttttaa agtacttctg gaaaagataa 180
ggagtttaaa aggtgggtgt gtacactggg cactgagctg cagtaggatt tttccttggg 240
atagtctggt ctggagctgg gacacagctg cnccttgggg aaaggccccg tngcaagatg 300
attggaagna attctccctt attggtaggc ctntgacggc cctntttttc agcca 355

<210> 2274

<211> 100

<212> DNA

1561

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 2274

gggattccca aagctgacat cacgtgggag ttaccggata aggngcatct gaaggcangg 60
gttcaggctc gtntgtatgg aaacanattt cttnaccccc 100

<210> 2275

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

1562

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<222> (38)
<223> n equals a,t,g, or c

<220>
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<222> (55)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<220>
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<220>
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<220>

1563

<221> misc feature
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<220>
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<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (411)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (426)
<223> n equals a,t,g, or c

<400> 2275
ggcaaagntn tnaataccac tatgcatggc ttattgtncg ccaccaaata aacantatac 60
cacagctatt taatatgtat ttcaacacta taccacacgc tatataatgt gtatttcagc 120
aaatatacca caactatttta atgtgtatatt cancantata ccacaactat gtgatgtgta 180
tttcaacaat atgccacagc tntttaatat gtntttcaaa atnacacgca gtccttgctt 240
tgcatanata tgntgaaacc ataagaaatc accataactnc tgagactcta canaancagt 300
gttnnatcat cagtgaagg aaattattat tctgtcacct ttacattttt atgtaaaaat 360

1564

attgaaaact ncaataatcn actataaaag gttcnaatta agaaaaaatt naagaatata 420
tataangttc atattattca tacctc 446

<210> 2276
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (329)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<400> 2276
tttttctgtc aaagctgttct ttatttcagg gagagggcag gggaggggct cagtctttct 60
tggcagcagc ttctctcatg gcggccagta cgttgctcag ctctctccgc ttctctttgg 120
cgcggatgtg cgtccccacc cttttcttga taaatttgag ggcccgtttg tccttggaga 180
ccttcagtaa ctccatggcg cgccgctcgt acggggcaaa gccacacacc tcccgaatca 240
tgtcccgcac gaacttgggtg tgtttgggtca gacgcccgcg gcgtcgggct gtgcctgggg 300
cttgtctcaag ttcttgggtca ctttgtggnc cttgttgaag gccacgggc ataagggtag 360
cgtaagggcc aatggctgct gctctccaaa aaacggcccg gggggggccg taaccaaata 420
gncctaana tgagtcgga tt 442

<210> 2277
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)

1565

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

1566

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 <222> (147)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (185)
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<220>
 <221> misc feature
 <222> (198)
 <223> n equals a,t,g, or c

<220>
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 <222> (220)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (231)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (241)
 <223> n equals a,t,g, or c

<400> 2277
 aattcggcac agnctgaagc aggcgctctn ngctcggcgc ggcccncctgn caatccgtgg 60
 aggaacgcgc cnccgagcna ccatcatgcc tgggcacttt gaggnagggt tcggctgtnt 120
 ggtncaccaa ccgattcgnc canttantta acgacgtttc ggacccttc gaggggtgctg 180
 aaggnagtca gagaacangt aaaaagaagc cgggcggggg tcggcgtttg ngggccctgg 240
 ngtcaagttg cgcat 255

<210> 2278
 <211> 335
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (8)
 <223> n equals a,t,g, or c

<400> 2278
 ttttagancc tggctcagga tgaacgctag ctacaggctt aacacatgca agtcgagggg 60
 catcaggaag aaagcttgct ttctttgctg ggcaccggcg cacgggtgag taacacgtat 120

1567

```

ccaacctacc ctttactcgg ggatagcctt tcgaaagaaa gattaatacc cgatgggata 180
atcattccgc atgggtctgat tattaaagga ttccggtaaa ggatggggat gcgttccatt 240
aggttggttg tgaggtaacg gcccaccaag ccttcgatgg ataggggttc tgagaggaag 300
gtccccaca ttggaactga gacacgggtcc aaact 335

```

<210> 2279

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 2279

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gtggagcaca annaaaagcc atcttggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcatgatct tgtggatagc tgtgtcccgg gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa ggttctcgaa ataagaatga 240
caagtgtatg ttccttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300

```


1568

aacaaagagt tctgaggatg ggtgtaagca tggaatgttg atggagttct cacttaaaga 360
cctttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420
gctttgccct gtcatttttg gtcatgaagc agcgtgcaat gttgccccac gtggcgtgta 480
tgnttggtgt aacaccacga ccacctttgg tctgacggta actctttcaa aagatagntn 540
ctntgganaa tttgcttttg gaacttggtg cccctgg 577

<210> 2280

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

1569

<400> 2280

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gttgacgcgt gggctgctng gggcttaagc ggagggagtc gagccagcgt cgccgcgatg 60
gtgttggttg agagcgagca gttcctgacg gagctgacca gacttttcca gaagtgccgg 120
acgtcggggca gcgtctatat caccttgaag aagtatgacg gtcgaaccaa acccattcca 180
aagaaaggta ctgnnggaaag gctttgagcc cgcagacaac aagngtctgt taagagctac 240
cgatgggaag aagaagatca gcaactgtggt gagctccaag gaagtgaata agtttcagan 300
ggcttattca aacctcctta gagctaacat ggatgggntg aagaanagag acaantagaa 360
caaaactnag aa 372
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<210> 2281

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1570

<222> (378)

<223> n equals a,t,g, or c

<400> 2281

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ggcacgaaaa cttctccaga gttgtccttt attaagtttc tttacagaaa ctttaattgg 60
tgccatgaat tcttgtgggg gaaagaatca taagagccat caactttttn ccttnattt 120
tagcatattc caagccctgc caagaaagta ccaagactcc ctgccacagc agcagaacct 180
gaaagcagct gtcattagta atggggaaca ttaagatact ctgtgaaggt gcaagacttc 240
aggggtggggg gggcatgggg tgggggtatg ggnaacattg gaggatggga tatctggggn 300
taattttaaa ggtttacctg ttatgtaatt tttaatgggn actnggcatg gggcccgggt 360
tgcttttccg ggtnccttngg gaaa 384
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<210> 2282

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (520)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (533)

<223> n equals a,t,g, or c

<400> 2282

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ggtggagggt catgtcgagg tttaatgcat tcaaaaggac taataccata ctgcaccatt 60
tgagaatgtc caagcacaca gatgcagcag aagagggtgt attggaaaaa aaagggttgcg 120
cgggagtcac aacactaaac agaccaaagt tcctcaatgc actgactctt aatatgattc 180
```

1571

```

ggcagatttta tccacagcta aagaagtggg aacaagatcc tgaaactttc ctgatacatta 240
taaaggggagc aggaggaaaag gctttctgtg ccgggggtga tatcagagtg atctcggaag 300
ctgaaaaggc aaacacagaag atagctccag ttttcttcag agaagaatat atgctgaata 360
atgctgtttg ttcttgccag aaaccttatg ttgcacttat tcatggaatt acaatgggtg 420
ggggagtttg tctctnagtc catgggcaat tctnagtggc tacagaaaaa gtgtcttttt 480
gctatgccag aaactgcaat aggactggtc ccttgatggn ggggtggangg ttnttt 536

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<210> 2283

<211> 302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<400> 2283

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aattcggcag agctgatagt gagcggcaga atcaggagta ccagcggctc atggacatca 60
agtcgcggtt ggagcaggag attgccatct accgcagcct gctcgaggga caggaagatc 120
actcacaaca atttgtttgc ctncagggtc ctctgaggca gcaggctctg gggcttctgc 180
tgtccttttg aggggtgtct ctgggtagag ggatgggaag gaagggaccc ttacccccgg 240
ctcttctcct gacctgccaa taaaatttat ggtccaaggg aggaaggaaa aaaaaaaaaa 300
an 302

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<210> 2284

<211> 656

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

1572

<221> misc feature
 <222> (66)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (74)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (611)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (620)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (635)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (652)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (654)
 <223> n equals a,t,g, or c

<400> 2284
 cactcactat ttnggcnaag ctggtncgcc tgcaggtacc ggteccggaat tcccgggtcg 60
 acccangcgt ccgnccgagc agaaccggaa ggatgctgaa gcctgggttca ccagccggac 120
 tgaagaattg aaccgggagg tcgctggcca cacggagcag ctccagatga gcaggtccga 180
 ggttactgac ctgcggcgca cccttcaggg tcttgagatt gagctgcagt cacagctgag 240
 catgaaaagct gccttggaag acacactggc agaaacggag gcgcgctttg gagcccagct 300
 ggcgcataatc caggcgctga tcagcgggat tgaagcccag ctgggcgatg tgcgagctga 360
 tagtgagcgg cagaatcagg agtaccagcg gctcatggac atcaagtcgc ggctggagca 420
 ggagattgcc acctaccgca gcctgctcga gggacaggaa gatcactaca acaatttgtc 480
 tgcctccaag gtcctctgag gcagcaggct ctggggcttc tgctgtcctt tggaggggtg 540
 ctttctgggt agaggggatg gaaggaagg acccttacct ccgggtcttc tcctgacctg 600
 gcaataaaaaa ntttatggtg caaagggaag aaaaanaaaaa aagggcggcc gntnta 656

<210> 2285
 <211> 602
 <212> DNA
 <213> Homo sapiens

1573

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (546)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (550)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (563)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (601)
<223> n equals a,t,g, or c

1574

<400> 2285

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gacaagntag aaacttggag agaggtgtat ctccaggact cctttaaacc gcttgtctgc 60
atttctccta atgccagctt gtttgatgct gtctcttcat taattcggaa caagatccac 120
aggctgccag ttattgaccc agaatcaggc aatactttgt acatcctcac ccacaagcgc 180
attctgaagt tcttcaaatt gtttatcact gagttcccca agccagagtt catgtccaag 240
tctntggaaa aactaccana ttggnaccta tgccaatatt gctatggntc gactaccacc 300
cccgtctatg tggctctggg gatttttgta cagcatcgag tctcagccct gccagtgggtg 360
gatgagaagg ggcgtgtggt ggacatctac tccaagtttg atgttatcaa tctggcagca 420
gaaaagacct acaacaacct agatgtatct gtgactaaag ccttgcaaca tcgacacat 480
tactttgagg gtgttctcaa gtgctacctg catgagactt ggagaccatc attaacaggc 540
tagtgnaaan cagaaggtta acnacttgna atggtggatg aaaatgatgt ggtcaagggg 600
nt 602
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<210> 2286

<211> 466

<212> DNA

<213> Homo sapiens

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ggtttagttct tccgttattg gccccgtgtc ccaaagnncc cgggnttttt ttgggggnatt 360
aagggggcaa aaaaaggngc ccaaaggnaa ggccgnaaga aaccaggttt ttttgaaaaan 420
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caccttggnn gagnaacacgg gaaaatctca tctgggtgggtg nttcacacac gncgngtatc 180
cccatggngc tgggtgtttt cttncctncc ctgtgtngta aaatgggggn cccttactgc 240
attatcaagg gaaaggaan attggcgacg tatngtcca caggaagcnc ctgcaccatt 300
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 cgcattgtccc ttgcgcgggaa ggcttgtggt gctgatgggc aagaacacca tgatgccgca 240
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 cggggggaatg tgggctttgt gttcaccaag gaggacctca cttgagatca gggacatgtt 360
 gcttggccaa taagggtgcca gcttgcgtgcc gtgctggtgc cattgccccca tgtgaaagtc 420
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caagttctcc gtgtgggatc ggnnggntcc atcctggnet cgctgtccac cttccaacag 180
atttngatca gcaagcanga attntgaana aattccgggc cctcccatc cgtccacccg 240
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tatggacttt gtgttctgcc attcaggcac ctgcggaact cgagtcatgc aggagctttt 180
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cggcccgcca ggccccccag gtattccagg atgcaatggc acaaaggggg agagagggcc 180
gctcgggcct cctggcttgc ctggtttcgc tggaaatccc ggaccaccag gcttaccagg 240
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tggggaatgg agcaaaacag tctttgaata tcgaacacgc aaggctgtga gactacctat 180
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gcctcatnngg gatttggttg gtgaattggg aacagctctc cggaagagga acatncgcta 180
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gaggccccagg acgtctactc aggtgacatc atcagtggcc tccgagatga aaccaacttc 180
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tattttgact tcctggaagg aacccgggac tatgactggc tggaaccact gcttntnaat 180
cagacgggtga tgtcnatana cctnttctgg ttcaggcaca gaccccagga aagcttttctg 240
ggaagccctg ctcatagaca ggtacctgtt gntgcaccca gacttttctcc gatacatgaa 300
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tttgntncat cncnanggc catgagcgct tttcctgatc actactatta tacatcatng 480
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cacttaggag acaggagcag aatataaaga gttttgagga gacctatgac cgaaagctca 180
agaatgaact tctaaacttc cacaggctgc atggtgtctg cctggctttg ggaatcctca 240
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 gtgggacaga ccagacagtg ggtgtgctct ccaaccctac atactacatg agcaacgata 120
 ttccctatac tttccaccaa gacaacaatt tcctgtacct atgtggattc caagagcctg 180
 atagcattct tgtncctnag agcctccctg gcaaacaatt accatnacac aaagccatac 240
 tttttgtgcc tcggcgagat cccagtcgag aactttggga tgggtccgnga tctggcactg 300
 atggagcaat aagctctaac tggagtagac gaagcctata cgctagaaga atttcaacat 360
 nntgtaccaa aaatgaaagc tgagacgaac atgggtttggt attgactgga tgangtcctc 420
 acatggcaca ngttttactn ttgactatat tgcagcccct tgactgaggc caaagtcaan 480
 agcn 484

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 <212> DNA
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1593

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tgggggtgcag aaggatcgga tggataagaa tgcgtcaacc tttgaggatg tcacccaggt 180
gtcctctgcc taccagaaga cagtacctgt cgaagctgtg accagcaaaa caagtaacat 240
cagagctaac tttgaaaacc tcgctaagga gaaagagcag gaggacaggc ggaaggcgga 300
ngcngagaga gcccaacgga tggccaagga acggcaggaa caggaagagg ccaggaagaa 360
acttgganga acaagccaga gccaaaacgc aaacgcccc tgtgttnncc ggaccttaag 420
ccaaccnang gaaaagct 438

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1594

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 tgccctgctc cgggcgacac ccagcactcg gaggaggcgg aacccgagcc cagccaggag 180
 gcagagagtgt ggagctggga gagaggcgtc ccagtgtccc ccatgcactg accagcactg 240
 ncgcccctct gacctccaag gagaacctcc catatgtcct ctgagctcgg cttcaaggcc 300
 agtggaaactt gtgcccctgt ccangcggct gcaagctttg aacacactgt cagccccgct 360
 ttcttgtgga aggtgtgggc tatgggtcac ctggttgetg gaagaagggg cccttaccga 420
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 tttgggcat tgcattcca 499

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 <212> DNA
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 gtctgctcaa tctctgttgc acctgagggg gaaaaaacag ttcaactgct tactcccaaa 180
 acagcctttt tggaaattat tttttaagtg ggctcctgac aatactgtat cagatgtgaa 240
 gcctggagct ttctgatga tgctggccct acagtacccc catgagggga ttcccttct 300

1595

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a 361

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1597

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tggcccgggg tgctcccgnc cggccgagtg attggcgagc ccacggagtc tgatggacgt 180
gttccccacc gtggtccggc tggcgggcgg cgaggttgcc ccaggacaga gtgattnacg 240
gccaagacct tcttgccctt gctccttggg acaacccaac atttnagacc aggatttcct 300
gatgcattat ttttgagagt ttttttgnag gnacccagtg ggaattaaag gggcaaaggg 360
acantttggg aangcccatt ttnggagget tttttttncn cancaaaggg gnnccntntc 420
ttttttnggn naaaaatttnc cccttttttg gg 452

<210> 2302
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<212> DNA
<213> Homo sapiens

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1598

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caaaactcaaa gccggtangt gccgaaagcg tgctctgctc acgggcgaac agttccagcc 120
aacgggaaac cagtattgcc cttaccgaac aataccaggc cgatgcgttt ttntgcgcgg 180
aagacggact gatgcagccc ctgaatcagg ctttcgggtcg ggccgggtgcg catactgcca 240
ccaggctgat gccgtncatc ggacttgcca ggtnaaatc ggaccggctg gcctttaagt 300
ttgctgccag aagcgggtggc aatgcagcgg gttaagggtt gacgnctgca acgacctng 360
ncaacaggnc anccttgaag nagngcattt gncagtnatt ccgtttgtng ngnttttag 420
gatttgggca tttta 435

<210> 2303
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<212> DNA
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1600

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1601

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cagacccaaa ggacttatct caatggngga atccagggtcc tgtgatgggc acttgggcaa 120
ctttttgggg gcaaggagtc ctgatgagac aattttctgc aatgacancc cnettcacatc 180
gcttcacang tggagtccgg acatcatacc agncctcgtc tcctgccgct tcaccaagga 240
gaccacccan aagaatttca acantntcta tggcaccaaaa ggtaactaca cctccnggnt 300
ctgggagtag tccctncagca ttcagaactc tgacaatgac ctgcccgtnt tccaaggcat 360
ctcctccttc tccctgaaag gctatnccta ncttatgcgg agccnaagcc ncaaggccca 420
gccccagact tggaaatctg gc 442
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<212> DNA

<213> Homo sapiens

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ggagccacgc gctacaatta cctaaaacct cgggcagaag aggagaggag gatagcagca 120
gaagagaaga agaagcagga tgaactgaaa cggattgccg gagaattggc agaagatgac 180
agcatattaa agngagtgcac cctgcgaccc actccttggc ccagcagcgg atgaataaag 240
cttcctgnngn ngng 254

<210> 2305
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1603

<213> Homo sapiens

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<220>

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<220>

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<222> (252)

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<221> misc feature

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1604

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tcattgcccc cacaatccta ggcctaccg cgcagtagt gatcattcta ttccccctc 120
tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
taatcaaact aacctcanna caaatgataa ccatacacia cactaaagga cgaacctgat 240
ctcttatgct antatccttn ntcattttta ttgccacaac taacctcctc ggactcctgc 300
ctcactcatt tacaccaacc acccaactat ctatnaacct anccatgggc atccccctat 360
gancggggcgc aatgattata ggctttcgct ctaaaattaa ngatgcctc ncccanttct 420
taccacaagg cacacctaca ccc                                     443
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<212> DNA

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1605

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tattgatccc cacctccaaa tatctcatca acaaccgact aatcaccacc caacaatgac 180
taatcaaaact aacctcaaaa caaatgataa ccatacacna cactnaagga cgaacctgat 240
ctcttatact antatcctta atcatTTTTa ttgccacaac taacctcctc ggactcctgc 300
ctcactcatt tacaccaacc acccaactat ctataaacct agccatggcc atcccccttat 360
gagcggggcgc agtgattata ggcttttcgct ctaagattaa aaatgcccta gcccacttct 420
taccacaagg cacacctacn ccccttatcc ccatactagt tattatcgaa accatcagcc 480
tactcattca accaatagcc ctggccgtac gcctaaccgc ttacattact gcangccacc 540
tactcatgca ccttattgga ancgccaccc tancaatata aaccattaac cttccctcta 600

1606

cacttatcat cttcacaatt ctaattctac tgactatcct agaaatcgct gtcgccttaa 660
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<210> 2307
 <211> 421
 <212> DNA
 <213> Homo sapiens

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 ttcagagtat cagcaagagc tggagagggga gctttttaag ctcaagcaaa tgtttggtaa 180
 tgcagacatg aatacatttc ccaccttcaa atttgaagat cccaaatttg aagtcatcga 240
 aaaaccccg gcctgaagaa ataaagtaaa attaatctgg taatttgtca cggattagtt 300
 gtacaactag ttagaagttt cagaataaac atgcatttca taactgtcaa atgttctttt 360
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<210> 2308
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1607

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1608

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 <222> (488)
 <223> n equals a,t,g, or c

<400> 2308
 gcaacactaa aggacgaacc tgatctctta tactagtagtc nttaatcatt tttattgcca 60
 caactaacct cctcggactc ctgcctcact catttacacc aaccacccaa ctatctataa 120
 tcctagccat ggccatcccc ttatgancgg ggcgagtgat tatangcttt cgntctaaga 180
 ttaaanatgc cctagcccac ttcttatcaa aangcacacc tacaccctt atccccatac 240
 tagttattat ggnaaacatn atcctacten ttenaccaat agccctgggc gtnagcctaa 300
 tcgcttacat tactgnaggg cacntactca tgcacctcat tggaancgtc ccctacaata 360
 tcaatcatta aacttccttc tacacttata tcttcacatt ctattctaac ttaatatcct 420
 aanaaattcc ttttcncttt attccaagcc caactttttc cnactttntt cttaaaccct 480
 ttactttncg aaaaaccttt tt 502

1609

<210> 2309
<211> 283
<212> DNA
<213> Homo sapiens

<220> .
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<400> 2309
gcgggaagcc ttccagagtg tgggtgctgcc ggcctttgag aagagctgcc aggccatggt 60
ccagcaaatac aatgatagct tccggctggg gacacaggaa tacttgcagc agctagaaag 120
ccacatgaag agccggaagg cacgggaaca ggaggccagg gagcctgtgc tagcccagca 180
agcccatatac ctgcagctgc tgcagcaggg ccacctcaat caggccttnc agcagggcgt 240
gacagctgct gacctgaacc tgggtgcttgt atgtgtgtga aat 283

<210> 2310
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)

1610

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<400> 2310

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gcagcattcg ggccgagatg tctcgctccg tggcctgagc tgttctcgcg ctactctctc 60
tttctggcct ggaggctatc cagcgtactc caaagattca ggtttactca cgtcatccag 120
cagagaatgg aaagtcaaat ttcttgaatt gctatgtgtc tgggtttcat ccatccgaca 180
ttgaagttga cttactgaag aatggagaga gaattgaaaa aagtggagca ttcagacttg 240
nctttcagca aggactggtc tttctatctc ntgnnctaca ctgaattcac cccactgaa 300
aaaagaatga agtattgcct ggccgtgtga accatggtga ctttttcaca agccaaagat 360
agtnaantgg gaancaagac atgttaagca gcatcatgga aggtttgaag aatccccatt 420
tgggaattgg atgaattccc aaattcttgc ttgcttggct ttttaaanaa tggnaancct 480
attncacttt aacactttta ttgccccaaa antg 514
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<210> 2311

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

1611

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 2311

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ccntcactaa gggacaaagc tggngctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcacgag cgaagcgggg gctgccccag tcaactgcagg 120
acgccgaccg cctgcgccgc tccccactnc tgcgggggccc nccccgccag gnccacctgc 180
ctctgctgcc gccctccaac tcctactggg ccggccacac ccccgagcag cactagtcct 240
gcctggtggc cctgggagcc aggatgggac caaagtcaag gcctggggca tggctgagta 300
ccccagacgt ctggtccagg gcagacacat tncctcaga agcccgtgtc tcagtgcagg 360
tggagccgtg gggacagcgt gaaggtgtct ccagccaggc cccaggcact ggaggccctg 420
ggtcttcccc cagncacanc cagtaggtgt ggaggataaa ggcttctgtg g 471

```

<210> 2312

<211> 387

<212> DNA

<213> Homo sapiens

1612

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<400> 2312
ggtntgcatg tcatacgcgt tccacacgcc agacaagctc agcttcatcc tggacctcat 60
gaacggtggg gacctgcaact accacctctc ccagcacggg gtcttctcag aggctgacat 120
gcgcttctat gcggccgaga tcatcctggg cctggagcac atgcacaacc gcttcgtggg 180
ctaccggggac ctgaagccag ccaacatcct tctggacgag catggccacg tgcggatctc 240
ggacctgggc ctggcctgtg acttctcaag aagaagcccc atgccagcgt gggcacccac 300
gggtacatgg ctccggagggt cctgcagaag ggcggtggcct acgacagcag tgccgactgg 360
ttctctctggt ggtgcatgct cttcaag 387

<210> 2313
<211> 119
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>

1613

<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<400> 2313
nnccctacgc cggttacttt cgggtttcttn ccttcctttt ttgccacggt cgccgggttt 60
ccccgtcaag ctttnaatng ggggctccct ttaggggttc caattaanng ctttacggg 119

<210> 2314
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (672)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (677)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (712)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (732)

1614

<223> n equals a,t,g, or c

<400> 2314

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nctactatcg ggaaagctgg tacgcctgca ggtaccgggc cggaattccc ggggggtggtt 60
acgcgcagng tgaccgctac acttgccagc gccctanccg ccgctccttt cgctttcttc 120
ccttcctttc tcgccacggt cgccggcctt ccccgtaag ctctaaatcg ggggctccct 180
ttaggggttc gatttagtgc ttacggcac ctgcaccca aaaaacttga ttaggggtgat 240
ggttcacgta gtgggccatc gccctgatag acgggttttc gccctttgac gttggagtcc 300
acgttcttaa tagtggactc ttgttccaaa ctggaacaac actcaaccct atctcggctc 360
attcttttga ttataaggg attttgccga ttctggccta ttgggttaaaa atgagactga 420
tttaacaaaa atttaacgcg aattttaaca aaatattaac gcttacaatt taggtggcac 480
ttttcgggga atgtgcgcg gaacccttat ttgtttatct ttctaaatac attcaaatat 540
gtatccgctc atgagacaat aaccctgata atgcttcaa taatattgaa aaaggaagag 600
tatgagtatt caacatttcc gtgtcgccct tattcccttt ttttgcggca attttgcctt 660
ccctgntttt tngcttnacc ccagaaaacg ctggtggaaa aggttaaaaa gnattgcctt 720
gaaatatcca antttgggt 739
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<210> 2315

<211> 153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<400> 2315

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tctagatcgc gagcgccgc tctagaggat ccaagcttac gtacgcgtgc atgcgacgtc 60
atagctcttc tatagtgtca cctaaattca attcactggc cgtcgtttta caacgtcgtg 120
actgggaaan cccaaaancc gcncaacnng atg 153
```

1615

<210> 2316
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<400> 2316
ttactagttc tagatcgcca gcggccgntc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgacg cacatccccc 180
tttcgccagn tggcgtaata gcnaagaggc ccgcaccgat cgccttccca acagttgcgc 240
agnctgaatg gngaattggga cgcgccctgt agcnngcgca ttaaacgccg g 291

<210> 2317
<211> 363
<212> DNA

1616

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

1617

<400> 2317

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accgggtccgg aattcccggg tcgacccacg cgtccgccca cgcgtccggg ggttgagggg 120
caaagtagtg aagaactgta agatattcaa tatagtgtat tgatgaatta gaattgtatg 180
gaaagataaaa ccgcagaagg tgagagtcct gtataagtaa atccttacac atataacttt 240
gctcccaagt aacatggaac acgaggaatt ctgtgtgaat cagngaggac catatctnat 300
aaggctaaat actcttacta accgatagcg catagnaccg ngaggggaaag gngaaaagaa 360
ccc
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<210> 2318

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

1618

<221> misc feature
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<400> 2318
naactccttt ggaaaacncg ctactatatg naaagctggt ngcctgcag gtaccggtcc 60
ggaattcccg ggtcgattna cgcgttttta gatcgcgagc ggccgctcta gaggatccaa 120
gcttacgtac gcgtgcatgc gacgncatag ctcttctata gtgtcaccta aattcaattc 180
actggccggtc gttttacaac gtcgtgactg ggaaaaccct ggcgttaccc aacttaatcg 240
ccttgcagca catccccctt tcgccagctg gcgtaatanc gaaaangccc ggaaccnatn 300
gcccttnccc aacagggttg gcagccttga atggcggaatg ggacgcgccc tgtaagcggc 360

1619

gcattaagcg cggcnggtgt ggtgggttacg cncagcgtga ccgctacact tgccagcgcc 420
ctagcgcccg ctcttttcna ttnccttcct tccttttnt 459

<210> 2319

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (564)

<223> n equals a,t,g, or c

<400> 2319

gagatctctc tgnaaaaacnc gactcactat ttgggaaagc tggcacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcttt cgcgccattc aaaggccatt tctgttacta 120

1620

```
tcgtttggaa tacagtgtgg ccaaagccaa ggcaactggt cactgtgact ggaaattgta 180
gccctggctg attgtggat gagactgcta atatgaattc taaaatctca ctttaatgca 240
gcaaagccta tttcttgaag tggttgggga gaaagtacag cacatgaaaa tgatagagaa 300
ttcacatttc agtgtatgta aataaagact tactggagtg cagccacact taaaaaaaaa 360
aaaaaagggc ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc cgacgtcata 420
nctcttctat agtgtcacct aaattcaatt cactgggccg tcgtttacac gtcgtgactg 480
ggnaaaaccc tgcgggtaccc caacttaatc cgccttgtag aacatcccc tttcgcaagn 540
tgngaatacc aaaaggccn accnat 566
```

<210> 2320

<211> 253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (222)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1621

<222> (247)

<223> n equals a,t,g, or c

<400> 2320

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ntctggnacg acccantata gggaaagctg gtacgcctgc aggtaccggt ccggaattcc 60
cgggtcgacc caccgcgtccg ggctgtgggtc ccagtgcctga attctgccaa gcagtgactt 120
gattcatgaa cactcactgg atgctgactc tgtttctctt ctgagtgcctg gggtagagga 180
gaggagaggt ggagcacaga tcttgctttt atgagcttat gntctaggaa gnncaaacia 240
gtattnnttc agg 253
```

<210> 2321

<211> 195

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (190)

<223> n equals a,t,g, or c

<220>

1622

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<400> 2321

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gctagtttcta gatcgcgggc ggncgntcta gaggatccaa gcttacgtac gcgtgcatgc 60
agacgtcata gctnttctat agtgtcacct aaattcaatt cactggccgt cgttttacaa 120
cgttngact gggaaaacc tggcgntacc caacttaaac gacttgcaat acattccctc 180
tttngccagn tggng                                     195
```

<210> 2322

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (99)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (126)

<223> n equals a,t,g, or c

<220>

1623

<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<400> 2322
ggccttangg ctaccacccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgtttctta ctcccttatgt ttgaanagaa acntnnggng tgagatatac aaatatattt 120
aattgngtca tattaaactt ctgatttnac aaaaaaaaaa aaaaagggcg gccgctctan 180
aggatccaag cttacgtacg cgtgcatgcg acgtcatagc tcttntatag tgtcacctaa 240
attcaattca ctggccgtcg ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca 300
acttaatcgc cttgcagcac ataccctttt cgccagctgg cgtaatagcg aagaggcccc 360
caccgatcgc ccttnccaac agttgcncag cctgaatggc gaatgggacg cgccctgtag 420
cggcncatta agcgcggngg gtgtggtggt tacnc 455

<210> 2323
<211> 211

1624

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

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<220>

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<222> (144)

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<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (197)

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<220>

<221> misc feature

<222> (208)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

1625

<223> n equals a,t,g, or c

<400> 2323

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caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggcggacgc 120
gtgggcggac gcgtgggtca aagntggata caagaagctn ttgtactgg atgacgtga 180
ggctcataat gaggtanaac cactttgnat n 211
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<210> 2324

<211> 231

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

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<220>

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<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

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<220>

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<222> (192)

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<220>

<221> misc feature

<222> (214)

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<220>

<221> misc feature

<222> (223)

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<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

1626

<223> n equals a,t,g, or c

<400> 2324

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gcggacgcgt gggctatddd ctaaataaac ctttgtaatc taaaaaatan annggagggc 60
ggccgctcta gaggatccaa gcttacgtac gcgtgcatgc gacgtcatag ctcttctata 120
gtgtcaccta aattcaattc actggccgtc gttttacaac gtcgtgactg ggaaaaccct 180
ggcgttaccc ancttaatcg ccttgacgca catnccccct tcnntcagnt g          231
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<210> 2325

<211> 148

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (6)

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<220>

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<222> (7)

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<220>

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<222> (89)

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<220>

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<222> (92)

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<220>

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<222> (110)

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<220>

<221> misc feature

<222> (112)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

1627

<223> n equals a,t,g, or c

<400> 2325

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ctnganntcc tctggaaaac ccctcactat aggttaagct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtnc gnaagctgac acagacctn antacgtatt 120
ctgacaacca agaggnggag attatgaa 148
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<210> 2326

<211> 142

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (10)

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<220>

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<222> (14)

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<220>

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<222> (102)

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<220>

<221> misc feature

<222> (112)

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<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

1628

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2326
atnntgnaan accnctcact ataggtaaag ctggtacgcc tgcaggtacc ggtccggaat 60
tccccgggtcg acccacgcgt ccgggggagag ttcacattat tnccttttcca tnggaagngg 120
tgctggnngna ttcaaatacgt tc 142

<210> 2327
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

1629

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<400> 2327
cttctctgga tangcngta gaactcctct ggaaaccctc actatagggn aagctggtac 60
gcctgcaggt accggtccgg aattccccggg tcgacccacg cgtccgccca cgcgtccgcc 120
cacgcgtncg aaaaanaaag gaanaaaaaa nanaa 155

<210> 2328
<211> 130
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

1630

<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<400> 2328
cncctcncng cctcgtatcc nctcactat agggaaagct ggtacgcctg caggtaccgg 60
tccggaattc ccgggtcgac ccacgcgtcc gcggacgcgt gggtcgaccc gganatctng 120
gngnggttnt 130

<210> 2329
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
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<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1631

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (188)

<223> n equals a,t,g, or c

<400> 2329

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tactataggg aaagctggta cgcctgcagg taccggtccg gaattcccgg gtcgaccac 60
gcgtccggnc aatntngnng cttcttgtgg ccaacttcag agcctgtcac caggaaaggt 120
aagnatggga ggnatgaaga tccaacatat gaacanaatg tttatgggtt ataagagaac 180
tctcagnncc c                                     191
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<210> 2330

<211> 216

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

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<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1632

<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<400> 2330
tccctatgna acncctttgt aataccctca ctatagggaa agctggtacg cctgcaggta 60
ccggtccgga attcccgggt cgacccacgc gtncgcagaa agggagacca ttatcatctct 120
tcagggaaca atccctggga atgtacttat tcattatggc ataaaagcag tngtataaat 180
acattcccag ggattgntcc nagaanggga gacnat 216

<210> 2331
<211> 309
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1633

<222> (118)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (128)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (171)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (220)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (222)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (266)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (278)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (305)
 <223> n equals a,t,g, or c

<400> 2331
 tccctngtaa actcctttgn aatacccctc actatagggg aagctgggtac gcctgcaggt 60
 accggtccgg aattcccggg tcgacccacg cgtccgggca tttctgaagt gcactttntt 120
 gaaacatnat tttgctaact ctcagcagtg tctaattaaa ctgagcaata nttttgtgaa 180
 ttttaattaa tctcagcaaa accatgatgg gagagagtcn tntgatggaa atgtagtccc 240
 tggattatgt gtaacctttt tattgntctt agatgcanag gatagaaaag cattttttgg 300
 tgcantggt 309

<210> 2332
 <211> 158
 <212> DNA
 <213> Homo sapiens

1634

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<400> 2332
ggactagttc tagatcgcca ggggcccgtc tagaagatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tattgtcacc taaattcaat tcaactggccg tcnttttaca 120
acgtcgtgac tgggaaaacc naacnncang cccttcat 158

<210> 2333
<211> 219
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>

1635

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<400> 2333

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nccaattcta ntacgntcct catagggttaa agctggtacg cctgcaggtn ccngtccgga 60
attcccgggt cgaccacgc gtccgactag ttctagatcg cgagcggccg ctctagagga 120
tccaagctta cgtacgcgtg catgacgacgt catagctctt ctatagtgtc acctaaattc 180
aattcactgg ccgtcgtttt acaacgtcgt gactgggaa 219
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<210> 2334

<211> 160

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

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<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (159)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<400> 2334

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gcccacgcgt ccggactagt tctagatcgc gagcggccgc tctagaggat ccaagcttac 60
gtacgcgtgc atgcgacgtc atancctctt tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaac caaaanannn 160
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<210> 2335

1636

<211> 154
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 2335
ggactagttc tagatcgcca gcggccgctc tagaggatcc aagcttacgt acgcgtgcat 60
gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaaaacc caaanagaaa nnnn 154

<210> 2336
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1637

<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
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<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (75)
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<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (112)
<223> n equals a,t,g, or c

<400> 2336
gntagttcta natchcgagc ggncgancna gaggatccaa ncttangtac gcgtgcatgc 60
gacntcatag ctctnctatc atgtcaccta aattcaattc actggccgnc gntttacaac 120

1638

gtcgtgactg ggaaaacgaa tgt

143

<210> 2337

<211> 246

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

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<220>

<221> misc feature

<222> (8)

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<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (241)

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<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (244)

<223> n equals a,t,g, or c

1639

<220>
<221> misc feature
<222> (245)
<223> n equals a,t,g, or c

<400> 2337
gginnctnan tacgtctctt aaaatacgag gccctataag gaaagctggt acgcctgcag 60
gtaccgggtcc ggaattcccg ggtcgaccca cgcgtccgga ctagttctag atcgcgagcg 120
gocgtcttag aggatccaag cttacgtacg cgtgcatgcg acgtcatagc ttttctatag 180
tgtcacctaa attcaattca ctggccgctcg ttttacaacg tcgtgactgg accccaaaaa 240
nnnnna 246

<210> 2338
<211> 95
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<400> 2338
ntgattacgn nntctcaaatt acgagtcact atanggaaag ctggtacgcc tgcagggtacc 60
ggtccggaat tcccgggtcg acccacgcgt ccgct 95

<210> 2339
<211> 110
<212> DNA
<213> Homo sapiens

1640

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (43)
<223> n equals a,t,g, or c

<400> 2339
gggggggggg ggtgggtaat gattacgccc tctcnaatac gantcactat agggaaagct 60
ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 110

<210> 2340
<211> 151
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

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<220>
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<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>

1641

<221> misc feature
<222> (124)
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<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<400> 2340
ntgattacgg cncctcctcaaa tacgacncnc tatagggnaa agctgggtacg cctgcaggta 60
ccggtccgga attcccgggt cgacccacgc gtccgggggtt ttagtcgtga tttttttttt 120
ttnnccnggt tgtngtcttt tttaagcaan a 151

<210> 2341
<211> 159
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1642

<222> (159)

<223> n equals a,t,g, or c

<400> 2341

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gcggacgcgt gggactagtt ctagatcgcg agcggccgct ctagaggatc caagcttacg 60
tacgcgtgca tgcgacgtca tagctcttct atagtgtcac ctaaattcaa ttcactggcc 120
gtcgttttac aacgtcgtga ctgggaccn aaaaannnn 159
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<210> 2342

<211> 138

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

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<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (134)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (138)

<223> n equals a,t,g, or c

<400> 2342

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gatcgcgagc ggccgctcta naggatccaa gcttacgtac gcgtgcatgc gacgtcatag 60
ctcttctata gtgtcaccta aattcaattc actggccgctc gttttacaac gtcgtgactg 120
ggaaacccaa aanntnnn 138
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<210> 2343

<211> 175

<212> DNA

1643

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (174)

<223> n equals a,t,g, or c

<400> 2343

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gcttacgtac gcgtgcatgc ggacgtcata gctcttctat agtgtcacct aaattcaatt 120
cactggccgt cgttttacaa cgtcgtgact gggaccccn aaatnggng gggnt 175

<210> 2344

<211> 584

<212> DNA

<213> Homo sapiens

<220>

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<222> (61)

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<220>

<221> misc feature

<222> (63)

<223> n equals a,t,g, or c

1644

<220>
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<220>
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 <222> (554)
 <223> n equals a,t,g, or c

<220>
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 <222> (572)
 <223> n equals a,t,g, or c

<220>
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<220>
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 <223> n equals a,t,g, or c

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 ntnataaaaa aaagggttcag tattttcttt ttagtataac ttacatcctt tcaaataagt 120
 ctttgccctc atgaagaatc cctagaggaa gataaggaaa ataagtattt tccagttttg 180
 cttgacagtt tctaaacaaa caaaaataaa ctcaatgaaa ggaaagatgt ttcttttttag 240
 ctgagatgac agattgcttc tctgtattaa atagtctaga agttaagggg atgggtcacat 300
 ttaccatgta ttgtgttatt agcagttaaa ttttatgaat atgtttgtaa aattgttggt 360
 ttatatattca tgtcaaattg aaaagtttat ttcttacta ttgtacctgt ggaaatacaa 420
 gccattttac aggaaaaaat cttcaaaaac tattaaatgg atatcagcct gttaaaaaaa 480
 aaaaaaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 540
 agctcttnta tagngtcacc taaattcaat tnactggccc gnng 584

<210> 2345
 <211> 438
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
 <221> misc feature
 <222> (24)

1645

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

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<220>

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<222> (259)

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<220>

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<222> (274)

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<220>

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<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

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1646

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<222> (370)
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<220>
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<222> (390)
<223> n equals a,t,g, or c

<220>
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<222> (422)
<223> n equals a,t,g, or c

<220>
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<222> (436)
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tacgccaaagc tctaatacga ctactatag ggaaagntgg tacgcctgca ggtaccgggtc 120
cggaattccc gggtcgaccc acgcgtccga ctagnctctag atcgngggcg gccgctctag 180
aggatccaag cttacgtacg cgtgcatgcg acggcatagc tcttctatag ngacacctaa 240
attcaattca ctggccgtn gntttacaacg acgngactgg gaaaaccctg gcgttaccca 300
acttaatcgc cttgcagcac atccccnttt cgccagctgg cgtaatagcg aagaggccccg 360
naccgatcgn cttgccaaca ggtgcgcagn ctgaatggcg aagggacgcg ccctggagcg 420
gngcattaag cgcgngngg 438

<210> 2346
<211> 168
<212> DNA
<213> Homo sapiens

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

1647

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
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<222> (160)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<400> 2346
ggacgcgtgg tttnacccac gcgtacnaca gcggccgctg tagaggatcc aagcttaccg 60
tacgcgtgca tgccgacgnc atagctcttc tatagtgtca cctaaattca attcactggc 120
cgtcgtttta caacgtcgtg actgggaaaa ccagacann tnattnat 168

<210> 2347
<211> 575
<212> DNA
<213> Homo sapiens

<220>
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<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
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<220>

1648

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<220>
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<220>
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 <222> (561)
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<220>
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 <222> (569)
 <223> n equals a,t,g, or c

<220>
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 <222> (571)
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 gactcaactat antgattngc tggtagcgcct gcaggtagcg gtccggaatt cccgggtcga 120
 cccacgcgctc cgccccacgcg tccgtttaat ttgtacttaa aatacatattt actaatcata 180
 ttgatttttaa atatgacaaa ttcttctagt agataactaat ctttcttggt tatcatattg 240
 tcctagagaa gcctaggttaa aaatgggttc cacctagtct gtttgtataa caccttcccc 300
 cgtccccctct ccatccctgc caattgggct ctatgcata tgacaagcaa ataagaaaac 360
 cttagggtttc ttgtatttga atttccaaaa caataaaagg ttttgactca agatttgcac 420
 tcaagaagag gcagaaattt tgtcttatct ttttatcatt ttgtgaactt gtgtttctct 480
 gtatgcttag aaaattttac acacaaggaa tgtttgaaaa agtgagaatt ttagagtgc 540
 tgggtggntn tatttggcag ngctgatgng ntagg 575

<210> 2348
 <211> 188
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

1649

<220>
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<222> (11)
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<220>
<221> misc feature
<222> (17)
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<222> (58)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
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<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

<220>
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<222> (187)
<223> n equals a,t,g, or c

<400> 2348
ggnaagacag nttatcncca tgattacgcc aagctctaata acgactcact atagggantn 60
gttggtacgc ctgcaggtac cggtcgggaa ttccccgggtc gacccacgcg tccgctaagt 120
ctgatcgcat tgtgaatgaa acttagatnt gaaaacagct cctaggatnc ctgncagcnc 180
ctgnagna 188

1650

<210> 2349
<211> 168
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<400> 2349
acataatnng atcngtactc actcatgacc atgattacgc caagctctaa tacgactcac 60
tatatngatt ngctggtagc cctgcaggta ccggtccgga attccccgggt cgacccacgc 120
gtccgaatat ttgttgctgg aataaatgaa tganntaaaa aaaaaaaaa 168

<210> 2350
<211> 379
<212> DNA
<213> Homo sapiens

<220>

1651

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<222> (7)
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<221> misc feature
<222> (21)
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<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (34)
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<220>
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<222> (72)
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<220>
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<222> (271)
<223> n equals a,t,g, or c

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<222> (370)
<223> n equals a,t,g, or c

<220>
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<222> (373)
<223> n equals a,t,g, or c

<220>
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<222> (376)
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<220>
<221> misc feature

1652

<222> (379)

<223> n equals a,t,g, or c

<400> 2350

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actatagggga anagctggta cgcctgcagg taccgggtccg gaattcccgg gtcgaccac 120
gcgtccgact gacgtgaaga aaatatgcca ttgtttattc ctcctgcat cattccata 180
atttgctttt gtactgtcaa tttagaggaa atgtgtgatg ctggtgtttt gtttggcctg 240
tttgtttgat gctggggggtt ttatgtgttg naccctttac cccttacatt gngtaatttg 300
aaagtggcaa acaaacctgc agtaaaagtc cttgattggc atcttcattc ggatgatgga 360
gagcctttgn ggnagnngn 379
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<210> 2351

<211> 224

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

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<222> (17)

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<220>

<221> misc feature

<222> (94)

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<220>

<221> misc feature

<222> (101)

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<220>

<221> misc feature

<222> (121)

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1653

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<222> (137)
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<220>
<221> misc feature
<222> (159)
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<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<400> 2351
cntaagggga atcngnnaac agccatgacc atgattacgc caagctctaa tacgactcac 60
tatagggaaa gctgggtacgc ctgcagggtac cggncceggaa ntcccggggtc gacccacgcg 120
nccgcccacg cgtccgntcc tatgaccaca aagggccgna agaaatattt ttacactaa 180
aatacacttg ggtaccactt gnattttagn gttaaataaaa agat 224

<210> 2352
<211> 440
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)
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<220>
<221> misc feature
<222> (10)
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<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

1654

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<222> (83)
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<220>
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<222> (147)
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<220>
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<222> (160)
<223> n equals a,t,g, or c

<220>
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<222> (182)
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<220>
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<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
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<220>
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<222> (433)
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<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
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1655

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<220>  
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<222> (439)  
<223> n equals a,t,g, or c
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gactcactat	anggaaagct	ggnacgcctg	caggtaccgg	tccggaattc	ccgggtcgac	120
ccacgcgtcc	gatcattttg	ctcatgngtc	ttttcttagn	gagcacagca	aaaaaatgtg	180
tntctgatca	ttggacatgg	catcagtagt	gatgggattc	actgacttgn	cacacaggag	240
atctgggtta	tagttcaagc	tctcttttct	tttctaaaat	tggttatgcc	atttatattc	300
tcctctgaga	taaggatcta	ctagaaattg	ctgngttcta	aactaatact	tatcaaacag	360
ggttccatgg	tcctaaggga	accgtgcact	gcacatcttc	tgagggtctgg	aaaatcttta	420
ggaatttcag	ngngngngng					440

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<210> 2353
<211> 247
<212> DNA
<213> Homo sapiens
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<220>  
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<222> (15)  
<223> n equals a,t,g, or c
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<220>  
<221> misc feature  
<222> (25)  
<223> n equals a,t,g, or c
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<220>  
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<222> (36)  
<223> n equals a,t,g, or c
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<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c
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<220>  
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<222> (70)  
<223> n equals a,t,g, or c
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<220>  
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<222> (109)  
<223> n equals a,t,g, or c
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1656

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<220>
<221> misc feature
<222> (127)
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<220>
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<222> (140)
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<220>
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<222> (145)
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<220>
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<222> (176)
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<220>
<221> misc feature
<222> (197)
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<220>
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<222> (212)
<223> n equals a,t,g, or c

<220>
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<222> (218)
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<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<400> 2353
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1657

accatgattn cgccaagctc taatacgact cactatttgg aaagctggna cgcctgcagg 120
tnccggnccg gaattcccg ntcgnccac gcgtccggga gcagagagga ggcaanggcc 180
accatggaga acaaggngat ctgcgccctg gncctggngn ccatgctggc cctcggcacc 240
ctggccg 247

<210> 2354

<211> 315

<212> DNA

<213> Homo sapiens

<220>

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<222> (3)

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<220>

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<222> (11)

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<222> (25)

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<220>

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<222> (27)

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<220>

<221> misc feature

<222> (121)

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<222> (164)

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<220>

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<222> (184)

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<220>

1658

<221> misc feature
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<220>
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<222> (215)
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<220>
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<222> (245)
<223> n equals a,t,g, or c

<220>
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<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
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<220>
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<222> (315)
<223> n equals a,t,g, or c

<400> 2354
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attacgccaa gctctaatac gactcactat agggaaaget ggtacgcctg caggtaccgg 120
nccggaattc ccgggtcgac ccacgcgtcc gcatggnttt cggngattta gagtttaagc 180
cagnagnnggg gcgactgtac atctatcgac atggngaggt agagcatgtt tgggaggaaa 240
gacgntgaat cccattttggn gacagngagc ttgaggngct gccagaacac tgcactgaag 300
ataggaggag actgn 315

<210> 2355
<211> 197
<212> DNA
<213> Homo sapiens

<220>
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1659

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
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<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
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<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
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<222> (197)
<223> n equals a,t,g, or c

<400> 2355
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tctaatacga ctactatattt gggaaaagttt ggtacgcctg caggtaccgg tccggaattc 120
ccgggtcgac ccacgcgtcc gggatatttg taaaaaatat cctgcattat cttcaaaaata 180
aagaaacacg cnannnn 197

1660

<210> 2356
<211> 139
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
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<222> (11)
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<222> (56)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<222> (84)
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<220>
<221> misc feature
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<220>
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<223> n equals a,t,g, or c

<400> 2356
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ggtaccggnc cggaattccc gggncgaccc acgcgtccgg ctaggagccg cgcgagtcgt 120
agngacgntg aatgcgggt 139

<210> 2357
<211> 578
<212> DNA
<213> Homo sapiens

1661

<220>
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<220>
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<222> (295)
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<220>
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<222> (308)
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<220>
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<222> (319)
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<220>

1662

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<220>
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<220>
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<220>
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<222> (527)
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ggaaanttgg tacgcctgca ggtaccgggc cggaattccc gggtcgaccc acgcgtccgg 120
gtgaaagggg ggaccctacc ctcaagaacat gaggggaataa tatttacgng gctcacaaag 180
accagtggagt acatcatatg catctntcac aactccccag aagagggcct ccagcacgag 240
tctaggetca gccttnnctg accctccgag aactctatga attgctgcca agtgnnttaa 300
ttttcctnag aatttcttng naatgttatt gaggggttga ggtcctttta caaatttttg 360

1663

aaataagtaa atcaaattgag aagaccatgc ttccaaacaa tcattctggt taacagatcc 420
cctngattta atgcaattat gaatgcgtta gnggtagtgt agtttaagan ctttcctngg 480
atgnacangc tttaagaaac caacctagga gnggattttc tataagnaat gggcttaaga 540
ctttacgctt tacacatcaa tgatatacgc tggctttt 578

<210> 2358

<211> 166

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

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<220>

<221> misc feature

<222> (14)

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<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

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<222> (139)

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<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

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cgactcacta tagggaaagc tggtagcct gcaggtagcg gtccggaatt cccgggtcga 120
cccacgcgtc cgaaaaanann aanagaacct taaaaaacta gaganc 166

<210> 2359

1664

<211> 369
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
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<220>
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<222> (345)
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<220>
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<220>
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tagggaaann tggtacgcct gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc 120
cgaaagtttt aagtcctggg ttttcagact actgtgtagc agctgtgtgt ttaacatact 180
gtagcttttt ctcccttggg ggcacatata aataggatgt gttgatgtgg actctaaact 240
gtaattttcc tgtaactatt ttggaatgat gcataattct aatgtttgtt atacttgtac 300
agagtattgc tgntgggttc tttntttttt ttttaaggaa aaaanggcnt gaaaacnttt 360
ttttaaaga 369

<210> 2360
<211> 185
<212> DNA

1665

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

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<222> (155)

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<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (177)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (179)

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<400> 2360

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gactcactat agggaaagct ggtacgctg caggtaccgg tccggaattc ccgggtcgac 120
ccacgcgtcc gggcctntga aaataaggaa gcatnggagc tatagccatg tagagnnang 180
ggcta                                     185
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<210> 2361

<211> 404

<212> DNA

<213> Homo sapiens

<220>

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<222> (5)

1666

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

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<220>

<221> misc feature

<222> (9)

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<220>

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<222> (22)

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<220>

<221> misc feature

<222> (400)

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<220>

<221> misc feature

<222> (401)

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<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

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<400>, 2361

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accgggtccgg aattccccggg tcgacccacg cgtccgaaat aaccttttgt ggtcactgta 120

aaattaatat ttggttagaca gaatccatgt acctttgcta aggttagaat gaataattta 180

1667

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ttgtattttt aatttgaatg tttgtgcttc cgttttgttt ctgctcagta atatagtcaa 240
gcaagtttgt tccaagtgc ccattgagct gtgtatgcat ttttgtttat ttcaataaaa 300
tatatttgta ttatttgtcc ttcatactat ccattccatac cacactatct tctgtatcag 360
gtagtctaata agaaatatac ctgttttggt ctaaaaaaan nnnn 404

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<210> 2362

<211> 561

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (361)

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<220>

<221> misc feature

<222> (426)

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<220>

<221> misc feature

<222> (522)

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<220>

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<222> (526)

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<220>

<221> misc feature

<222> (534)

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<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (558)

<223> n equals a,t,g, or c

<400> 2362

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aactaccacg atgtgccttt ctgaatatta cccaattact ccaggaagtg agcataaata 120
taactgccat tctttattaa cattttatgc ctatgccatt ttcaactagt tatgcggtga 180
ctaatttttag ttgttttaggc cccaagtact atatttgaat aatattccat gtttttaaca 240
tgaagaaatg ctactagttc tagatcgcca gcggccgctc tagaggatcc aagcttacgt 300

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1668

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acgcgtgcat gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg 360
ncgttttaca acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag 420
cacatncccc ttctgcagct ggcgtaatag cgaaaaagcc cgcaccgatc ggccttccaa 480
caagttgcgc agcctgaatg gggaatggga cgcgcctgt ancggngcat taancgccg 540
gggtgtggng ggtaccnca a 561
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<210> 2363

<211> 513

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (331)

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<220>

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<222> (332)

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<220>

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<220>

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<220>

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<222> (337)

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<220>

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<222> (338)

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1669

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<220>
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<220>
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<222> (474)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

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cacctcgtga gtctctggaa agcaggggtcg gcctctgaat acagaggact tgggtcctgc 120
cggaggatgc ttggccagtg ggtgctggca cgtgagcagc ccccggggag tcagagtggg 180
gctgcagcga aggccgtggt ggtcgagggtg aggggtggtgg ccaggtcttg ttgccgcagt 240
gaggattctg gggttaccct aagagccacc acattcaggc actcaagaaa aagcacgtca 300

1670

aaataaaata ttttcacctg aaaaaaaaaan nnnnnnnnnn aaaaaaaaaa gggcgggcgc 360
tctanaggat ccaagcttac gtacgcgtgc atgcgacgtc atancctctc tatagtggca 420
cctaaattca attactggcc gcgtttttaca acgtcngact gggaaaaccc tggngttacc 480
caacttaatc gccttggann aaatnccctt ttg 513

<210> 2364

<211> 464

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (166)

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<220>

<221> misc feature

<222> (259)

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<220>

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<220>

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<222> (317)

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<220>

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<222> (318)

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<220>

1671

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<220>
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<220>
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<222> (326)
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<220>
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<220>
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<222> (333)
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<220>
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<222> (336)
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<222> (337)
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<220>
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<220>
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1672

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<220>

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<222> (364)

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<220>

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<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

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<400> 2364

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ctgtatagct atagtggctc cttatgtata tttagattta cttacagctt gaaagtaatg 120
aacaacttgc atgaattagt ttnttgtagc acacatttta ttgttngtag gctactctcc 180
ctgaaaaaca attatttcag gaatgtattc attgtggtac ttttagaaat gattatttgt 240
gaagttaata ctcatattnt ttaccttatt tnatttttat tctgaataaa ataatatgga 300
gattcttacc ncaaannnna nncannaagt nanaannacc ctccanaag ggcgggcgcg 360
ctanaagatc caagcttacg tacgcgtgca tgcaacgtca taactcttct atagtgtccc 420
taaattcaat tcnctgggcc gtcgtttttac aacgtcntga ctgg 464
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<210> 2365

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

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<222> (28)

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<220>

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<222> (29)

1673

<223> n equals a,t,g, or c

<220>

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<222> (33)

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<220>

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<220>

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<220>

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<222> (117)

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<220>

<221> misc feature

<222> (133)

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<220>

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<222> (137)

<223> n equals a,t,g, or c

<220>

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<222> (143)

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<220>

<221> misc feature

<222> (154)

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1674

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<220>
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<222> (168)
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<220>
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<222> (175)
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<220>
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<222> (210)
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<220>
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<223> n equals a,t,g, or c

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taccggtccg gaattcccg gtcgaccac gcgtccggag nactgntggg anngggnttg 120
tgaggtggca tcntgcnctg atnagggacc catnntgaat ttctgtgngg gatangagtt 180
gaacaaagta gcaaaacaaa ggcaagtgan tatatgaaag attagaagca ctggaataan 240
caggctnttt aaagtganga aattancaat gaaaaagca 279

<210> 2366
<211> 243
<212> DNA

1675

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

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<220>

<221> misc feature

<222> (15)

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<220>

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<222> (119)

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<220>

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<222> (131)

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<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

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<220>

<221> misc feature

<222> (205)

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1676

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<400> 2366
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caggtaccgg tccggaattc ccgggtngac ccacgcgtcc gtggaaatct gtcctccana 120
atccaggcca naaagttcac agtcaaattg ggaggggtat tcttnatgca ggagacccca 180
ggccctggag gctgcnacat acctnaatcc tgtcccangc cggatcctnc tgaagccctt 240
tct 243

<210> 2367
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (128)

1677

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

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<220>

<221> misc feature

<222> (152)

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<220>

<221> misc feature

<222> (155)

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<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<400> 2367

gncctgnggc ttggaancta nnaacccagt tgggaacgac ccactatagg gaaagctggt 60
acgcctgcag gtaccgggcc ggaattcccg ggctcgaccca cgcgtccggt aaaacctgga 120
taatcagngt atgttgcacc agagggnagca tnggnntttt aactgcaaaa aatgatgg 178

<210> 2368

<211> 139

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

1678

<220>
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<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
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<222> (126)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (138)
<223> n equals a,t,g, or c

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tggtctnctac agtaactna 139

<210> 2369
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1679

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cggtcceggaa ttccccgggtc gacccacgcg tccggggctg agtgntcttg gattnctcta 120
gaggctggca agaaccagggn ggttttgnet tgcgggtctg gacaggggtt ggaaaggcca 180
ancccca 187

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1680

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<220>

1681

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1682

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cccggtcga ccacgcgctc cgatagtaaa gactgntctg tggatgggag tgnntaatac 120
attatatatt ttgtacagag antacaggcc ntngatnta ttaaaatcag nagatgntng 180
gcctaattct tagcantant naganntttg cgccagaact ttgttgngca cgctttntgn 240
gacnngcgtt aaaaacctgc atagccaaca ttgnagatag aacttaaant agatattcaa 300
ataaatattt aatttttttaa attgatcttg tataatcana tgccccttna agcattatta 360
tagaagn 367

<210> 2371
<211> 239
<212> DNA
<213> Homo sapiens

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1683

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<222> (178)
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<220>
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<222> (182)
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ctataggnaa agctggnacg cctgcaggta cggggccgga attccccgggt cgacccacgc 120
gtccggagat antangtaat tgtattgatc tgcagangca tccatctctt ggattctnat 180
tncttctacc antgcagaac tttcacctgt aatcactttc ctttggcctt aangataac 239

<210> 2372
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<212> DNA
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1684

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1685

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gggtaccgggc cggaattccc gggtcgaccc acgcgtccgg cccagccgt gagattccca 180
ggagtttaca cttggtgatc agnactgaac acagaccacc aaccatggag ttggggctta 240
gctggattat ncttgntgct atgataaaaag gngtnaacg 279
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1686

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ggtcgaccca cgcgtccgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 180
aanaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaaan ggngntant tt 262

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1687

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ataggggaaag ctgntacgcc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 120
tgcgctattg cgggcctnca gtcacatcgtt tcacntcacc cccctgcnc ccttggnctc 180
taantatgct aatg                                     194
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<210> 2375

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<212> DNA

<213> Homo sapiens

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1688

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acgccaaagct ctaatacgac tcaatatagg gaaagctggn acgcctgcag gtaccgggcc 120
ggaattcccg ggctcgaccca cgcgtccggn caggcctaaa gccattttat agctattggc 180
ctaattgtgt aactttttct ttcaaaatgt tttattataa tacttntgtc atttctttca 240
cttaatatgn caattgtcat aataaaaatt taaatttgaa aaaannana 289
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<211> 177

<212> DNA

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1689

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tggnacgcct gcaggtaccg ggccggaatt nccgggtcga cccacgcgtc cgnaagatga 120
tatcaatanc aatgccacct gcttgaaggc tatatgtgac aagtnactag aggntca 177

<210> 2377
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1690

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<222> (173)

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<222> (193)

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tacgactcac tataggnaaa gntggtagc ctgcnggtac cggtcgggaa ttcccggggtc 120
gacccaacgcg tccgtgntaa ggctgctagc cacctgtttt gctaganaca ggncgaccta 180
cnttacttga gtnccag                                     197
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<211> 388

<212> DNA

<213> Homo sapiens

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1691

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1692

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<220>
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gactcactat aggnaaagct gttacgcctg cangtaccgg tccggaattc ccggnctcgac 120
ccacgcgtcc gcctttgggg tacataaaat gtcgggttct ctgaattttt tatcgaattt 180
agaatgtctg ctacatttat ttaacttctg caaatgctta aaatgaaaac attttggaan 240
tgcgaggatt tttgtcaagc ggattgntct cttcatatat taaatgttta cttnatatct 300
ttaatccgaa acattaaaat agcattgaag aggcatgatt ttcaagatta agngngctat 360
gnantaggaa tacgctttta aagaacga 388

<210> 2379
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<220>

1693

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 tccnttcant tatttaaata aataactgnt gtgtacaaaa aaaaaaaaaa agggcggccg 120
 ctctagagga tccaagctta cgtacgcgtg catgcgacgt catagctctt ctatagtgtc 180
 acctaaattc aattcactgg ccgtcgtttt acaacgtcgt gactgggaaa accctggcgt 240
 tacccaactt aatcgccctg cagcacatnc ccctttcgcc agctggcgta atagcgaaga 300
 ggcccgnaac gatcgccctt cccaacagtt gcgcagcctg aatggcggaat gggacgcgcc 360
 ctgtagcggg gcattaagcg cggnggntgt ggngg 395

<210> 2380
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 <212> DNA
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1694

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caagcttacg tacgcgtgca tgcgacgnca tagctcttct atagtgtcac cttaaattcaa 180
ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa 240
tngccttgca gnacatcccc ctttcgncag ctggcgtaat agcgaagagg cccgcaccga 300
tcgccctttc caacagttgc gcagcctgaa tggcgaatgg gacgcgccct gtagcggcgc 360
attaagcgcg gcggntgtgg nggttacgcg cagcgtgacc gttacacttg ccagaantnc 420
nag 423

<210> 2381
<211> 258
<212> DNA
<213> Homo sapiens

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1696

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<220>
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ttttacaacg tcgtgactgg gaaaaccctg gcgttaccca acttaggggg ncgggcagca 180
canccccctt tcgccagctg gcggaagagc gaagaggngc cgcaccgatc gccctngcca 240
acagttgcgc agcctgaa 258

<210> 2382
<211> 306
<212> DNA
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1697

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1698

<400> 2382

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tgcnacgtca tagctcttct atagngtcac ctaaattcaa ttcactggcc gtcgttttac 120
aacgtcgtga ctgggaaaac cctggcggtta cccaacttaa tcgccttgca gcacatcccc 180
ctttcgccag ctggcgtaat agcnaaaagg cccgcaccga tcgcccttnc caacagttgc 240
gcagcctgaa tgggcnaatg gggacgcgcc ctgtaaccgg ggcattaagc ncggcggggt 300
ggtngn                                     306
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<210> 2383

<211> 537

<212> DNA

<213> Homo sapiens

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<222> (272)

1699

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1700

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1701

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<220>
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gcgacgttat agctattcta tagtgtcacc taaattcaat tcactggcgg tcgttttaca 120
acgtngngac tgggaaaacc ctggcggttac ccantttaat cgccttgacg cacatcccc 180
tttcgccagc tgggtgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg 240
caaaactgaat ggcgaaatggg accctgcctt gnaacggggc anttaagcnc ggtgggtggg 300
gnnggtncct ccaangtgan ccgttcnttg cngcgcccta cncncgntct ttngttttct 360
ncnttcttnc tcgncacgtt cgcggnnttc ncgaaagctc taaatcgggg gctcccttta 420
gggttccgat ttaagggttt tacgggacct cgaccncaa aaacttgatt aggggatgg 480
ttcacgtagt gggcccatag nnctgatata cggtttttcg ccctttgang ttggaan 537

<210> 2384
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<213> Homo sapiens

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<220>
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<220>
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1702

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<220>
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<220>
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<222> (198)
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gggcggccgn tctagaggat ccaagcttac gtacgcgtgc atgcgacgac atagctcttc 120
tatagtgnca cctaaattca attcactggc cgtngtttta caacgtngtn actgggaaaa 180
ccctggcggt acccaacnta atcg 204

<210> 2385
<211> 544
<212> DNA
<213> Homo sapiens

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<220>
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<222> (519)
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<220>
<221> misc feature
<222> (523)
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1703

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tattaaaaaa aaaatcagag aaaatcctct gtagaaaaaa tacacaaaga acatttctac 120
agaggatttt ctctgatttt attttctttg tttctgactc taataattag ttggaaactc 180
atataaaatg agctttccta aattaaatct attttaaata aagggttatta ctattaaaaa 240
aaaaaaaaaa aaggggcggcc gctctagagg atccaagctt acgtacgctg gcatgcgacg 300
tcatagctct tctatagtgt cacctaaatt caattcactg gccgtcgttt tacaacgtcg 360
tgactgggaa aacctggcg ttaccaact taatcgctt gcagcacatc cccctttcgc 420
cagctggccg taatagcgaa gagggccgca ccgacgccc ttcccaacag ttgcgcagcc 480
tgaatggcga atgggacgcg cccntaacc ngcgcattna acnccgcggt gtngttgtgg 540
gtta 544

<210> 2386
<211> 212
<212> DNA
<213> Homo sapiens

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1704

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<222> (203)
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<220>
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<222> (206)
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<220>
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<222> (207)
<223> n equals a,t,g, or c

<220>
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<222> (208)
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ggtccggaat tcccgggtcg acccacgcgt ccgccagct gctccgctca gagccttttc 120
ctctccactt cctgttcaca cagggggggg cgggaagtgg agggaggaag ttgggggggag 180
gcgtgtaggg gggaccatt gnntgnnngg aa 212

<210> 2387
<211> 145
<212> DNA
<213> Homo sapiens

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1705

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<222> (95)
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<220>
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<220>
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<222> (145)
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cgacgtcata actcttctnt tgtgtcncct aaatncaatt cactggccgt cgttttacaa 120
cgtcgtgact gggaaaaccc aangn 145

<210> 2388
<211> 137
<212> DNA
<213> Homo sapiens

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1706

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<220>
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aattcaattc actggccgtc gttttacaac gtcctgactg gganancaaa aacnnaagaa 120
attgnaaggt ccggcgg 137

<210> 2389
<211> 162
<212> DNA
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<220>

1707

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<220>
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<400> 2389
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gcgacgtcat agctcttcta tagtgtcacc taaatncaat tcaactggccg tcgttntaca 120
acgtcgtgac tgggaaaacc caagggngag ctgtggatch na 162

<210> 2390
<211> 155
<212> DNA
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<220>
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1708

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<400> 2390

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gcgacgtcat agctcttcta tagtgtcacc taaattcaat tcaactggccg tcgttttaca 120
acgtcgtgac tgggaacccc aaaagngggg tnnnt 155
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<210> 2391

<211> 161

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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<222> (103)

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<222> (105)

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<222> (126)

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<220>

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<400> 2391

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ttcaactggcc gtcgttttac aacgtcgtga ctgggaaaac ntntnaaaga gttgtaaaag 120
aggccntgaa ttgaatttag tganatatag aagactatga t 161
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<210> 2392

<211> 480

<212> DNA

1709

<213> Homo sapiens

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<220>

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<222> (353)

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<220>

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<220>

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<400> 2392

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attctagcac aacaagatga aattatggaa tacaaaagtg gtccttccc atgtgcagtc 120
cctgtcccc cccgccagtc ctccacaccc aaactgtttc tgattggctt ttagcttttt 180
gttggttttt ttttccttct aacacttgta tttggaggct cttctgtgat tttgagaagt 240
atactcttga gtgtttaata aagttttttt ccaaaaaaaaa aaaaaaaggc cgggccgntc 300
tagaggatcc aagcttacgt acgccgtgca tgcgacgtat aactctttat agnggcacct 360
aaattcaatt cactgggccc gtcgtttaca cgnontgact gggaaaaccc tggngttacc 420
caacttaanc gccttggnagn aaatccccct tttgccaat gggtgtataac caaaaaggcc 480
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<210> 2393

<211> 105

<212> DNA

<213> Homo sapiens

1710

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<220>
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<220>
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<222> (45)
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<220>
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<222> (48)
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<220>
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<222> (71)
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ccctggcggtt ncccaactta atcgcccttgc agcacatccc ccttt 105

<210> 2394
<211> 476
<212> DNA
<213> Homo sapiens

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<220>

1711

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<220>
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<220>
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<220>
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<220>
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<220>
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<220>
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1712

<222> (211)
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<220>
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<222> (257)
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<220>
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<222> (304)
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<220>
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<220>
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<222> (334)
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<222> (355)
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<220>
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1713

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<222> (418)

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<222> (436)

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<400> 2394

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ggctggtgag ccgcacgccca ggcaccgnac ccanatacga nactcgtac ctgggcagcg 120
cgcgggagcg ncaggcgcggt tccgagggcn ccagccncgg tggcagncgt gagacgccat 180
ccaagcggag cgcgcagatc ggcccgcgca ncgcctccta ctacgcttg tcnccgcccg 240
gcanctacaa ggccggntcg tcgcaggacg accaggagga cgcgtgcgac gacgcgctgt 300
cgcncctacag cnagctggag ctgacccgcn gtngtcccta tcgtggccgc tctanaggat 360
ccaagcttac gtacgcgtgc atgcgacgtc atagctcttc tatagnngcn cctaaatnca 420
attcactggc cgtcgnntta caacgtcgtg actgggaaaa cctgggggtt acccaa 476
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<210> 2395

<211> 485

<212> DNA

<213> Homo sapiens

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<222> (274)

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<220>

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<222> (276)

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1714

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<220>
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<222> (374)
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<222> (377)
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<220>
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<220>
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<222> (436)
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<220>
<221> misc feature
<222> (470)
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<220>
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<222> (483)
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1715

<400> 2395

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gctgagatct gttaactcat tataggttta atttggtggt tcctagtttt gtacaagcag 120
aatantaaca ttttaagtca cttaatgaac agttcaactt aaaagacaaa ttcagtcatt 180
gagttactag catttaaaaa aaacttttat actataaacc catgttagta taaagtgtaa 240
atgtaacaat aaaatccagc aaagtaaaaa aananaaaaa gggcggccgc tctagaggat 300
ccaagcttac gtacgcgtgc atgcgacgtc atanccttct tatagtgtca cctaaatnca 360
attcactggc cggngnnnttt acaaccgtcg tgactgggaa aaaccctggc gttacccaac 420
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gcncg                                         485
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<210> 2396

<211> 234

<212> DNA

<213> Homo sapiens

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1716

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cctttngctt tactttccctt cctttctcgc cacgttcagc cggctttccc cgncaaagct 180
tntaaatcgg ngggcttccc tttanggggt cccgatttta gnggcctttt acgg 234

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<212> DNA
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1717

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1718

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acgtcgtgac tgggaaaacc ctggcggttac ccaacttaat cgccttgag cacaatncccc 180
tttcgccagc tggngtaata gcgaagaggc ccgcaccgat cgcacttccc aacagttgcg 240
cagcctgaat ggcgaatggg acgcgccttg tagcggcgca ttaagngcgg cgggtgtggt 300
ggttacgcgc ancgngacng ctacacttgn cagt 334
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<211> 306

<212> DNA

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1719

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atcccccttt cgccagctgg cgtaatagcg aagaggcccg caccgatcgc cttcccaac 180
agttgcgag ctgaatggcg aatgggacgc gccctgtagc ggcgcaataa gcgcggcggg 240
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tngett 306

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<212> DNA
<213> Homo sapiens

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1720

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aaaanaaagg gcggccgctc tagaggatcc aagcttacgt acgcgtgcat gcgacgtcat 180
agctcttcta tagtgncacc taaattcaat tcactggcgc tcgttttaca acgtcgtgac 240
tgggaaaacc ctggcggttac ccaacttaat cgccttgcag cacatcccc ttccgccagc 300
tggcgtaata gcgaagaggc ccgcaccgat cgcccttccc aacagttgcg cagcctgaat 360
ggcgaatggg acgcgccctg tagcggcgca ttaagegcgg cgggtgtggt ggttacnccg 420
cagcgtgacc cgctacactt gccagnccc taccgcccc ntccttcgct ttcttccctt 480
cctttntngc caggttcgcc cg 502

<210> 2400
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<212> DNA
<213> Homo sapiens

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<220>
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1721

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acatccccct ttcgccagct ggcgtaatag cgaagaggcc cgcaccgacg gcccttccca 120
acagttgcgc ancctgaatg gcgaatggga cgcgcctgt agcggcgcat taagcgcggc 180
ggngtgggtg ggtacgcgca gcgngaccgc tacacttgca gcgcctagcg ccgctctttc 240
gcttcttctc tctttctcgc acgtcggcgg ttttcccgtn agctctaacg gggtccctta 300
aggttcgatt aaggcttacg gacctcg 327

<210> 2401
<211> 344
<212> DNA
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1722

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<220>
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<220>

1723

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<220>
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<220>
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1724

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<223> n equals a,t,g, or c

<220>
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<222> (328)
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ccatgggtttt caatacgttc aatgttctac actggcaaag aattnatgac cagtctctcc 120
catatcacaa catcacttat ncctgatttc acctanaaan gactcnattc tttgtctcat 180
gtctntncac cacatnatnt ccntnmngtn atccaatatg ccncatnang acnaattcct 240
tcctgtcaca atttgatacc cctccggcat actctatctt ggggaaaacg tcaganacaa 300
tcctgactcc gtctnacnt anaccacnct cttggactct tttg 344

<210> 2402
<211> 444
<212> DNA
<213> Homo sapiens

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<220>
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1725

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cgacgcgtct ctttggacgc caccccaagg ctgtccctgg acgcagncgt cccagagacc 120
ccggaaccca ccagtgcctt ggacggnnggt cccagcaact ttggagctgg ccgcagtgtg 180
ccaggtcttc tctgtgtctc cagagccctg tctgtccttg ggagctccat ctctcctgcc 240
ccacncatna tgccagagac tgcagcctca gaccnnggg angtgctgga gccacagtgc 300

1726

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agaggtggtg cccaactcag aggaccaggg accgggcgcc gccttccagc tcagtgaanc 360
aagccctacc cagagctcan gcctgcagtt cagtggctgt cctgaacttt ggcaagaana 420
tctggagggg gcncnactgg gcat 444

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<210> 2403

<211> 522

<212> DNA

<213> Homo sapiens

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<400> 2403

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aaagaggagc cagcagatga ggaggaagag gccaaagatga aggtcctcc caaagcagcc 120
aggaagactc caggcctccc gaaggatgta tctgtggcag agctgctgag ggagctgagc 180
ctcaccaagg aagaggaact gctgtttctg cagctgccag acaccctccc tggccagcca 240
cccaccagc acatcaagcc tatcaagaca gaggtgcagg gcgaggacgg acaggtggtg 300
ctcatcaagc aggagaaaga ccgagaagcc aaattggcag agaattgctg taccctggct 360

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1727

gacctgacag agggtcagggt tggcaagcta ctcatccgca agtctggaag ggtgcaactc 420
cttttgggca aggtgactct ggacgttgac catgggaact gcctgctcct tncnagga 480
gctggtgtcc gtgggccttg nagacagtnt gacatntgag at 522

<210> 2404
<211> 168
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (163)
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<220>
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<222> (166)
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<220>
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<222> (168)
<223> n equals a,t,g, or c

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tgctgcggca gcctggggct cggggactgg ctagatctgt gactacctgg gcccaggcg 120
gttttcccaa aggggattan ggatgtaaag gctatcttca nantgnn 168

<210> 2405
<211> 574
<212> DNA
<213> Homo sapiens

<220>
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<220>
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1728

<222> (463)

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<220>

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<222> (467)

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<220>

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<400> 2405

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tgactctcca tctgtgagaa agacacactg cagtgggaagg aaacacaaaag agaattgtgaa 120
agactattac ctctactacc attctctgct cctcctcctg cagggggcgat gataccacct 180
ccccccagcc ttccgggtcc tcctcgccct ggtatgatgc cagcacccca tatggggggc 240
cctcccatga tgccaatgat gggccctcct cctcctggga tgatgccagt gggacctgct 300
cctggaatga ggccgccatg ggaggccata tgccaatgat gcctggggcc ccaatgatga 360
gacctcctgc ccgtcccatg atggtgcca ctcggccgga atgactcgac cagacagata 420
aggatagagg ggaggcctta ttggatcggn ttatattacc tgnctgntta ccaggagatc 480
atgctgctgg gatactgagt tttntaaaca gcntanggaa nacttgggtcc ccttgtccta 540
tgaaaagaga atagttttgg aggggaanaa atgg 574
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<210> 2406

<211> 483

<212> DNA

<213> Homo sapiens

<220>

1729

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<220>
<221> misc feature
<222> (457)
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<222> (469)
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<220>
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<222> (483)
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ttacctccgc tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc 120
ggccttgagc gctgagcaag caaagggtgt cctcgcggag gtgatccagg cgttctccgc 180
cccggagaat gcagtgcgca tggacgaggc tcgggataac gcctgcaacg acatgggtgt 240
ccttaagttt gctcgtttgg tcaagtccta cgaagcccag gatcctgaga tcgccagcct 300
gtcaggcaag ctgaaggcgc tgtttctgcc gcccatgacc ctgccacccc atgggcctgc 360
tgctggtggc agcgtggccg cctcctgaga gttggccctc ccttgtgcca ctgccagggg 420
aggaaaggcc ttgatgttcc agacaataat naatgcncct gtgacttana aaaaaaaaaa 480
aan 483

<210> 2407
<211> 503
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
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<222> (340)
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<220>

1730

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<222> (454)
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<220>
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<222> (487)
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<220>
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<222> (497)
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<220>
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tgaagccaga gaaaggaaaag ccaagatgac agattttgat cgttttaaaag ttatgaaggc 120
aaagaaaatg aggaacagaa taatcaagaa tgaagttaag aagcttcaaa aggcagctct 180
cctgaaagct tctcccaaaa aagcacctgg tactaagggt actgctgctg ctgctgctgc 240
tgctgctgct gctgctgcta aagttccagc aaaaaagatc accgccgcna attaaaaagc 300
tcccacccaa aaggttcctg cccanaaagc cacaggccan aaagcacgcc tgctccaaaa 360
ctcanaaagg tcaaaaaactc caccagaaa cactctccaa agctctggca aaaaacatat 420
tgcatacataa aattataagt cttttgactg ttanaatgta aaaaaaaaaa ggggcctcta 480
aagacanntc ttccttntca ntc 503

<210> 2408
<211> 632
<212> DNA
<213> Homo sapiens

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<220>

1731

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<220>
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<220>
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<222> (348)
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1732

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<220>

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<222> (621)

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<400> 2408

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acgcgtccgc tcatggaaaa ggagttccct ggatttttgg aaaatcaaaa agaccctctg 120
gctgtggaca aaataatgaa ggacctggac cagtgtagag atggcaaagt gggcttccag 180
agcttctttt ccctaattgc gggcctcacc attgcatgca atgactattt tgtagtacac 240
atgaagcaga agggaaaagaa gtaggcagaa atgagcagtt cgctcctccc tgataagagt 300
tgtcccaaag ggtcgcttaa ggaatctgcc ccacagnttn ccccatanaa agganttang 360
gaccnnaanc aggacacttn agcaaataa aaaataaaat ctaactctca tttgacaagc 420
agagaaagaa aagttaaata ccagataagc ttttgatttt tgnattgggt gcatccccctt 480
gccctcaata aataaagttc ttttttagtt ccaaaaaana aaaaaaaggg cggccgctct 540
aaaggatcca agcttacgta cgcgtgcatg cgacgtnata gctnttctat agngncacct 600
aaattcaatt cactggccgg nggtttacaa cg                                     632

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1733

<210> 2409

<211> 320

<212> DNA

<213> Homo sapiens

<220>

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<220>

1734

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<220>
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 cgcttttcgag cgcnttttccc ctgntgacat cgacactcat acagngaaag tatgaccctt 120
 ccctgaagcc cctgncngnt tcctatgata aagcaacttc cctgaggatc ctcaacaatg 180
 gtcattgcttt caacgnggag ttggatgact ctgaggacaa agcagtgttc aagggaggac 240
 ccctggatgg cactaacaga tggattaagc ttacttttaa ctgggggttna cttnatggac 300
 aaaggntnaa aacataactng 320

<210> 2410
 <211> 333
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

1735

<220>
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<222> (76)
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<222> (82)
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<220>
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<222> (258)
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<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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1736

<400> 2410

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tgaatggccc agtggnaccc antttgcccg gacaggggac cccaatagca angctctgcc 120
tccttggccc caattcaacc aggcggaaac aatttctgga aatcaaccca ntgccanggg 180
ccggacaaaa tttcaggagg gcctggatgc tattctggtc aaaaaccctc cccaacaaaa 240
tacaacntgg ccccanancc aaaaaaacg gaagggccct ggaggggactn ctgaaggcag 300
gcctaaanct ttcttggggt tggggcaaac caa 333

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<210> 2411

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (607)

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<400> 2411

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gggcttcaac gacgagctgg aagccttcaa ggagcgtgtg cggggccgtg ccaagctgcg 60
catcgagaag gccatgaagg agtacgagga ggaggagcgc aagaagcggc tcggccccgg 120
cggcctggac ccgctcgagg tctacgaatc cctccctgag gaactccaga agtgcttcga 180
tgtgaaggac gtgcagatgc tgcaggacgc catcagcaag atggacccca ccgacgcaaa 240
gtaccacatg cagcgtctga ttgactctgg cctctgggtc cccaactcta aggccaaagcg 300
aaggccaagg agggagagga ggcaggtcct ggggacccat tactggaagc tgttcccaag 360
acgggcgatg agaaggatgt caagtgtgtg acctgcccc a gctaccaccg tcacctgctt 420
ccaggccccct atgtgcccc tttcagaaaa cagatagatg ccactctgcc cgctcctgac 480
ttctctactt gcgctgctcg gcccagcctg gggggcccg cagcctcctg gcttttact 540
gttttactct cagcgccatt aagtctctgc tttagtcaag gggcttact gctgaagccc 600
catacantat gcaaggccgg gtccgggagg cagagtacca gctgtctaca gt 652

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<210> 2412

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<400> 2412

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aggctttatc atcgacgata gcgtacttta tagcgggtgcc agcctgaacg atgtttacct 60
gcatcagcac gataaatatc gctacgaccg ttatcatctg atccgtaacc gtaagatgtc 120
agacattatg tttgaatggg ttacacagaa tattatgaat ggccgcggcg ttaatcgtct 180
ggatgatgtt aatcggccaa aaagcccggg aatcaagaac gatattcgtc tggtccgcca 240
ggagctgcgt gatgccgctt atcattttcca gggcgatgcc gacaacgatc agctttctgt 300
aacgccgcta gtggggctgg ggaaatcgag tctgttgaac aagaccattt tccatcttat 360
gccttgtgcc gagcagaaac taaccatctg tacgccatac ttcaacctgc cagcaatcct 420
tgtgcgcaat attatccagt tgctgcgcga agggaaaaag gtcgaaatta ttgttggtga 480
taaaaccgng aatgacttct acattccgga agatgaacct ttcaagataa tt 532

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1737

<210> 2413

<211> 444

<212> DNA

<213> Homo sapiens

<220>

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<222> (14)

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<220>

<221> misc feature

<222> (22)

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<220>

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<222> (33)

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<220>

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<222> (405)

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<220>

<221> misc feature

<222> (439)

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1738

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actcattgac tccagctaata gaagatcaaa aaattggtat agaaattatt aaaagaacac 120
tcaaaattcc agcaatgacc attgctaaga atgcaggtgt tgaaggatct ttgatagttg 180
agaaaattat gcaaagttcc tcagaagttg gttatgatgc tatggctgga gattttgtga 240
aatatggtgg aaaaagggaa tcattgaccc aacaaagggtt gtgaaganct gctttatttg 300
ggtgctgctg gtgtgggccc ctctgtttaa cctacagcag aagttttagtag gtccccagna 360
attcccaaag aaggagaagg ncccctggaa tgggtgcaat gggtnngaat tgggagggtt 420
gtatttgga ggtggcatnt tcct 444

<210> 2414
<211> 318
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<222> (32)
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<222> (38)
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<220>
<221> misc feature
<222> (90)
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<220>
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<222> (173)
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<220>

1739

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<222> (245)
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<222> (254)
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<220>
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<222> (318)
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gccctcagca gcttggcacc cagactacan ctgaacgtga atcacaagcc agcaacacca 120
agggtgacaag agattngccc aaatcttggtg acaaaactac acatgcccac cgnnccagac 180
ctgaactcct ggggggaccg cagcttctct tccnccaaaa cccaagacac gctatgatct 240
cccgncccct gagncacatg cgtggtggtg acngtagcca cgaagaccct gaggcaagtc 300
aactggacgt ggacngcn 318

<210> 2415
<211> 406
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

1740

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<222> (2)
<223> n equals a,t,g, or c

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<222> (150)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (276)
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<220>
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<222> (326)
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<222> (390)
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<220>
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<222> (400)
<223> n equals a,t,g, or c

1741

<220>
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<222> (405)
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<220>
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<222> (406)
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<400> 2415
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ccggcccggt ctccggggcn cccggggggg gaaaaagggg gccttcntta agggaaaaaa 120
aagggggggg ccngcccaa ttggggccgn aatccccaaa accccaattc cggggccaag 180
gccccggaat ttccccgtgg gttcttttgg gaatccaacc ggggggggtgg ggggaaaggg 240
gggaaacccc gtcgggcccg tcnccttgcc gtggnggggc cccattgggg ggtggaagaa 300
ccacctcaa gttactggag acctanagtc cagaatgctt gtagtgagcc aagtcagtg 360
tctaagtatt tatttaaac aaaagaatcn ccgttaaaan acatnn 406

<210> 2416
<211> 648
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
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<222> (422)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature

1742

<222> (456)
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 <222> (460)
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<220>
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 <222> (465)
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<220>
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 <222> (473)
 <223> n equals a,t,g, or c

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<220>
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<220>
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 <222> (647)
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 ctcagacctt ggcctcctat cctatcgaag ctactgggtcc cagaccatcc tggagatcct 120
 gatggggctg aagtcggaga gcggggagag gccacagatc accatcaatg agattagtga 180
 aatcaccagc atcaagaagg aggatgtcat ctccactctg cagtacctca atctcatcaa 240
 ctactacaag ggccagtaca tcctcacact gtcagaggac atcgtggatg gccatgagcg 300
 ggccatgctc aagcggcttc tgcggatccg acttcaagtg tctgccttna ttcccaggga 360
 ctggaanaag aaggggggaa ntggtgacca gacactggcc actggaattg cccaagacgg 420

1743

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gnagcagggga cttggggggct tgaatagccc aatncnggcn cccanttgga agnttccac 480
aaaagcaact tttaagggga aaatggggct tgagggacaa gttcaaaaaa gggataggac 540
cagggccttg gcagggggcc ccactgggtg gccaacacc nangcnaagc ttccgggctt 600
aagaccaact ttcaaaggtc aagntgggccc caaggcccaa ggcttcnt 648

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<210> 2417

<211> 481

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (478)

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<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (481)

<223> n equals a,t,g, or c

<400> 2417

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ggctacacta gagcagagta cgagtctgag gcggagggag taatggcagg acaagcgttt 60
agaaagtttc ttccactctt tgaccgagta ttggttgaaa ggagtgtctgc tgaaactgta 120
accaaaggag gcattatgct tccagaaaaa tctcaaggaa aagtattgca agcaacagta 180
gtcgtgtgtg gatcgggttc taaaggaaaag ggtggagaga ttcaaccagt tagcgtgaaa 240
gttggagata aagttcttct cccagaatat ggaggcccaa agtagttcta gatgacaagg 300
attatttcct atttanagat ggtgacattc ttggaaaagta cgtagactga aataagtcac 360
tattgaaatg gcatcaacat gatgctgccc attccactga agttctgaaa tctttcgtca 420
tgtaaataat ttccatattt ctcttttata ataaactaat gataactaat gaaaaaanan 480
n 481

```

<210> 2418

<211> 336

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

1744

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<400> 2418

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ggttcgggtat cgcccgtgcc ggtagcgccg ctgccaccgn tcaccatggg cccgggtcct 60
cggctgctgc tacctctcgt gctttgcgtg gggctcggcg cacttggtgt ttcttcgggg 120
gccgaggggt tccgcaagcg agggccctcg gtgacggcca aggtcttctt tgatgtgagg 180
attggagaca aagatggttg cagaattgtg attggcctct ttggaaaagt tgtgccaag 240
acagtggaaa attttggtgc tctagcaaca ggagagaaag gatatggata taaaggaagc 300
aagttttcat cgtgtcatca aggatttcat gattnt 336
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<210> 2419

<211> 410

<212> DNA

<213> Homo sapiens

<220>

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<222> (86)

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<220>

<221> misc feature

<222> (105)

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<220>

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<222> (112)

<223> n equals a,t,g, or c

<220>

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<222> (114)

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<222> (115)

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<220>

<221> misc feature

<222> (117)

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<220>

<221> misc feature

<222> (131)

1745

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<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

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<220>

<221> misc feature

<222> (234)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (242)

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<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (249)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

1746

<220>
<221> misc feature
<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<400> 2419
gatatcatat agtaaaaccc agcccatgac ccctaacagg ggccctctca gccctcctaa 60
tgacctccgg cctaaccatg tgattncact tccactccat aacantcctc anannangcc 120
tactaaccaa nacactaanc atataccaat gatggcgcgga tgtatcacga gaaagcacat 180
accaaggcca ccacacacca cctgtccaaa aaggcctncg atacgggata atcntattta 240
tnaccncana agtttttttc ttencaggat ttttctganc cttttaccac tcnancctag 300
cccctacccc ccaattanga aggcactngn ccccaanatg catcaccccg ctaaattcccc 360
tagaatccca ctctaaaca catccgtatt actcgcatca ngaatatcan 410

<210> 2420
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (80)
<223> n equals a,t,g, or c

<220>

1747

<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

<220>
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1748

<222> (461)

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<222> (468)

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<400> 2420

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aggcctacta accaacacac taacccatata ccaatgatgg cgcgatgtnn caccagaaaag 180
cacataccaa ggccaccaca caccacctgt ccaaaaaggc cttcgatacg ggataatcct 240
atattattacc tcanaaattt ttttcttcgc aggatttttc tgancctttt accactccag 300
cctagccctt acccccctaat taggaaggca ctggccccca ncaagcatca ccccgctgaa 360
tcccctaaaa tccactccta aacacatccg tatttatcac atcaagaatn tcaatcanct 420
gaactcacca taatctatta gaaacaccna aancaatnat nccagcangg ttattacatt 480
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<220>

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<222> (20)

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<220>

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1749

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<220>
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<220>
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 <223> n equals a,t,g, or c

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 <222> (581)
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 atttttctga gcctttttacc actccagcct agccccctacc cccaatttag gagggcactg 180
 gcccccaaca ggcatacacc cgctaaatcc cctaaaagtc ccactcctaa acacatccgt 240
 attactcgca tcaggagtat caatcacctg agtcacccat agtctaatan aaaacaaccg 300
 aaaccaaaata attcaagcac tgcttattac aatttttactg ggtctctatt ttaccctcct 360
 acaagcctca nagtacttcg agtctccctt caccatttcc gacggcatct acggetcaac 420
 attttttgta gccacaggct tccacggact tcacgtcatt attgggtcaa ctttcctcac 480
 tatctgcttc atccgccaac taatatttca ctttacatcc aaacatcact ttgggttcna 540
 aaccgccgcc tgatactggc attttgtaaa tgtggtttga ntattttctgt atgtctccat 600
 ctatggatga agg 613

<210> 2422
 <211> 391
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 <213> Homo sapiens

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<220>
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1750

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

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ttcacttcca ctccataacg ctctcatac taggcctact aaccaacaca ctaaccatat 120
accaatgatg gcgcgatgta acacgagaaa gcacatacca aggccaccac acaccacctg 180
tccaaaaagg ccttcgatac gggataatcc tatttattac ctcagaagtt tttttcttcg 240
caggattttt ctgagccttt taccactcca gcctagcccc tccccccaa ttaggaaggc 300
actggccccc aacangnatc acccogetta atccctana atttccactt cctaaacaca 360
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<210> 2423
<211> 459
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<222> (127)
<223> n equals a,t,g, or c

<220>
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<222> (139)
<223> n equals a,t,g, or c

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<220>
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1751

<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
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<220>
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<220>
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<222> (409)
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<220>
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<222> (421)
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ggcgcatgag ctggaatcct angcacagct ctaagcctcc ttattcgagc cgagctgggc 120

1752

cagccangca accttctang taacgaacac atctacaacg ttatcgtcac agccatgcat 180
ttgttataat cttcttcata gtaataccat cataatcgga agntttggna actgactagt 240
ccccnataa tcggtgcccg atatgggggtt tccccgcata aacaaataac tctgaatctt 300
actcctctct cctaactctg gtcgatctgc tntntggagg cngacaggaa naggtgaaca 360
tctacnctt acaggaatat ccacctgaac ncgtaactac tctctcttnc taaaggtttc 420
ncttttgggc tcattctcca cattcttaac ccgtacat 459

<210> 2424

<211> 747

<212> DNA

<213> Homo sapiens

<220>

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<222> (544)

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<220>

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<222> (548)

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<220>

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<222> (568)

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<221> misc feature

<222> (573)

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<221> misc feature

<222> (583)

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<221> misc feature

<222> (642)

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<221> misc feature

<222> (688)

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<220>

<221> misc feature

<222> (695)

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1753

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 <223> n equals a,t,g, or c

<220>
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 <222> (726)
 <223> n equals a,t,g, or c

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 ctaataactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccggca 180
 tcctcctagt cctcatcgcc ctcccatccc tacgcctcct ttacataaca gacgagggtca 240
 acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
 ccgactacgg cggactaatc ttcaactcct acatacttcc cccattattc ctagaaccag 360
 gcgacctgcg actccttgac gttgacaatc gagtagtact cccgattgaa gccccattc 420
 gtataataat tacatcacaa gacgtcttgc actcatgagc tgtcccacat taggcttaaa 480
 aacagatgca attcccggac gtctaaacca aaccactttc accgctacac gaacggggggg 540
 tatntacngt caatgctctg aaatctgntg gancaaacca cantttcatg cccatcgtcc 600
 taagaattaa ttcccctaaa aatctttgaa attagggccg tntttacct tagcaccct 660
 ctaccctct tgaacaaaaa aaaaaanaa atccnagggg gggccggccc cnttcccccc 720
 atntgntttt ttaaattccc ggggcgc 747

<210> 2425
 <211> 535
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (396)
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<220>
 <221> misc feature
 <222> (494)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (503)
 <223> n equals a,t,g, or c

1754

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

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ctaatactaa catctcagac gctcaggaaa tagaaaccgt ctgaactatc ctgcccgcga 180
tcctcctagt cctcatcgcc ctcccatccc tacgcctcct ttacataaca gacgaggcca 240
acgatccctc ccttaccatc aaatcaattg gccaccaatg gtactgaacc tacgagtaca 300
ccgactacgg gggactaatc ttcaactcct acatacttcc cccattattc ctagaacagg 360
cgacctgcga ctcccttgacg ttgacaatcg aattantact cccgattgaa gcccccatc 420
gtataataat tacatcacca agaagtcttg gcctccatta aactttttcc cccacattta 480
gggcttttaa aaanaaaaat gcnattnccc cggnnaacttt cttaaanccc aaacc 535

<210> 2426
<211> 563
<212> DNA
<213> Homo sapiens

<220>
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<222> (523)
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<220>
<221> misc feature
<222> (556)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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1755

<220>

<221> misc feature

<222> (558)

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<400> 2426

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taccatcaaa tcaattggcc accaatggta ctgaacctac gagtacaccg actacggcgg 180
actaatcttc aactcctaca tacttcccc attattccta gaaccaggcg acctgcgact 240
ccttgacgtt gacaatcgag cagtactccc gattgaagcc cccattcgta taataattac 300
atcacaagac gtcttgcaact catgagctgt cccacatta ggcttaaaaa cagatgcaat 360
tcccgagcgt cttaaaccaaa ccactttcac cgctacacga ccgggggtat actacgggtc 420
atgctctgaa atctgtggag caaaccacag ttcatgccc atcgtcctag aattaattcc 480
cctaaaaatc ttgaaatag ggnccgtatt taccctatag canccctctt aaccctctta 540
gagccaaaaa aaaaannnaa aaa 563
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<210> 2427

<211> 536

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (431)

<223> n equals a,t,g, or c

1756

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
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<222> (475)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
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<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (535)
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tcccttacc a tcaaatacaat tggccaccaa tggtagtgaa cctacgagta caccgactac 120
ggcggactaa tcttcaactc ctacatactt cccccattat tcttagaacc aggcgacctg 180
cgactccttg acgttgacaa tcgagtagta ctcccgattg aagcccccat tcgtataata 240
attacatcac aagacgtctt gcactcatga gctgtcccca cattaggctt aaaaacagat 300
gcaattcccc ggacgtctaa accaaaccac tttcaccggg acacgaccgg ggggtatact 360
acgggtcaat gctctggaaa tctggtggga gcaaaccaca gtttcatggc ccacggtcct 420
agaattaatt nccccataaa atctttggaa taggggnccg tatttaccct atagnaaccc 480
ctctancccc tctaggngcc aaaaaaaaaa aaaaaactgg ggggggggcc ggaanc 536

<210> 2428
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (331)
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<220>
<221> misc feature
<222> (341)
<223> n equals a,t,g, or c

1757

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (466)
<223> n equals a,t,g, or c

<400> 2428
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tgttttagaga taaatattat ttgcaacaat attcatctca tctcaagaaa cgctcctata 120
gggtatggag aattttaaagg acctgtaggt tatgatgatt ataacgaaat aaccaaagca 180
ggatttcaat gaccagccca caaaagtatc ctgtgtacta ctgggtggga ggtggagggg 240
ggttggttctt aagtaagaac ccctaacatg taactctgtg gtttttatgt ttcattaact 300
atttaattcta ccaatatgga actagggttca ntaagaagaa ngacagenta gatcettaca 360
tatacacacc ctttggaact ggacccaaaa ctgcattggc atgagggttt gctctcatga 420
acntgaaact tgntctaadc agaggccttt canaacntct cctttnaacc ttg 473

<210> 2429
<211> 315
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

1758

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 2429

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catggccagg gatgtgcaga acaccttcta cgacatcgtg gctgagctcg gggccatgga 120
gcacgcgcag gcggtggact acatcaagaa actgatgacc aagggccgct actccctgga 180
cgtgtggagc taggggcctg cctgccccac ccacccaca gactccggcc tgtaatcagc 240
tctcctggct ccctcccgta gtctcctggg tgtgtttggc ttggccttgg catgggcgca 300
ggcccagtga caaan 315
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<210> 2430

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (310)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

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<220>

<221> misc feature

<222> (336)

1759

<223> n equals a,t,g, or c

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<221> misc feature

<222> (369)

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<222> (375)

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<222> (387)

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<222> (401)

<223> n equals a,t,g, or c

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<222> (414)

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<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

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<222> (462)

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<220>

<221> misc feature

<222> (488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

1760

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2430

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gattcagaga ttttccgacc ttctcccat ggggtgtgcc cacattgtca cccaacacac 120
cagcttccga gggtagatca tcccaagga cacagaagta tttctcatcc tgagcactgc 180
tctccatgac ccacactact ttgaaaaacc agacgccttc aatcctgacc actttctgga 240
tgccaatggg gcaactgaaa agactgaagc ttttatcccc ttctccttag ggaagcggat 300
ttgtcttggn gaaggcatcg cccgtgcgga anttgntcct ctcttcacca ccacccctca 360
gaacttctnc atggncagcc ccgtggnccc agaagacatc natctgacac cccnagaang 420
tggtgtgggg caaaaaaacc ccccaacata ccagaaccgc nnttctggc cccgctgaaa 480
gggcttangg gaaagggggg caaaaggaat tccaggnca atncaa 526
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<210> 2431

<211> 513

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

1761

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

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ccttcagcag ccgctcctac acgagtgggc ccggttcccg catcagctcc tcgagcttct 180
cccagagtggg caagcagcaa ctttcgcggt ggcctgggcg ggcggctatg gtggggccag 240
cggcatggga ggcacaccg gagttacggt aaccagagct gctgagcccc cttgtcctgg 300
aagtggaccc caacatcagg ccgtgcgcac ccaggagaag gagcagaatc aangaccctt 360
aacacaagtt ngcctcctta taaacaaggg aacggttctt ggaccanaat acaagatgct 420
tggagaccaa gtggaagcct cctgcagnac aagaagacgg ntcgaagcaa catggccaac 480
atgttcgaan agctacntta acaacttagg ngg 513

<210> 2432
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (552)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (569)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (587)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (632)
<223> n equals a,t,g, or c

1762

<220>
<221> misc feature
<222> (633)
<223> n equals a,t,g, or c

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ccccagcaat ccccggtccc tgcgggtggc gctgctgctc ctgctcctgg tggccgccag 180
ccggcgcgca gcaggagcgt ccgtgggtcac tgaactgcgc tgccagtgtc tgcagacact 240
gcagggaatt cacctcaaga acatccaaag tgtgaatgta aggtcccccg gaccccactg 300
cgcccaaacc gaagtcatac ccacactcaa gaatgggaag aaagcttgct tcaaccccgc 360
atcccccatg gttcagaaaa tcatcgaaaa gatactgaac aaggggagca ccaactgaca 420
ggagagaagt aagaagctta tcagcgtatc attgacactt cctgcanggt ggtccctgcc 480
cttaccagag ctgaaaatga aaaagagaac agcagctttt ctagggacag ctggaaaagg 540
acttaatgtg tntgactatt tcttacgang gttctactta attatgnatt tatttttgaa 600
aagcttggat tttaatatct tacaatgctg gnnatttaaa g 641

<210> 2433
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (187)
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<220>
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<220>
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<222> (255)
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<220>
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<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1763

<222> (313)

<223> n equals a,t,g, or c

<400> 2433

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aggaactttc cggaatgaca attctgctga gatgtgccgg aagtgcagca caggggtgccc 60
cagaaggatg gtcaaggtca aggattgtac gccctggagt gacatcgagt gtgtccacaa 120
agaatcaggc aatggacata atatatgggt gatttttgtt gtgactttgg ttgttccgtt 180
gctgttngtg gctgtgctga ttgtctgggt ttgcatcggc tcangttgtt gaagggaccc 240
caagtgcattg gacanggtgt gtttctggcg cttgggtctc ctangaaggn ctggggctga 300
agacaatgct canaacg                                     317

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<210> 2434

<211> 407

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2434

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gctttattcc catcctggtt tccaactata acccaaagga atttgaaagt tgtattcagt 60
attatttgga aaacaattgg cttcaacatg agaaaagctcc tacagaagaa gggaaaaaag 120
agctgctggt cctaagtaac gcgaacccct cgctgctgga gcggcactgt gcctacctct 180
aagccaagat cacagcatgt gaggaagaca gtggacatct gctttatgct ggacccagta 240
agatgaggaa gtcgggcagt acacaggaag aggagccagg cccttgtacc tatgggattg 300
gacaggactg cagttggctc tggacctgca ttaaaatggg tttcactgtg aatgcntgac 360
aataanatat tcccttgncc taaaacttta tatcanntta ttggatg                     407

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<210> 2435

1764

<211> 315
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (23)
<223> n equals a,t,g, or c

<220>
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<222> (54)
<223> n equals a,t,g, or c

<220>
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<222> (63)
<223> n equals a,t,g, or c

<220>
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<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
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<220>
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<223> n equals a,t,g, or c

<220>
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<220>
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1765

<222> (259)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (273)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<400> 2435

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ttnaaaagcc tgccaagacc agcaaanggc cgggttcggt tnaggaagaa ctccttanc 120
naaccgaaac tgttgtgact gaatatctaa atagtggaaa tgcaaatgag gctgtcaatg 180
gtgtaagaga aatgaggggt cctaaacact ttcttctga gatgttaagc aaagtaatca 240
tctgtcact agatanaanc gangaagata aanaaaaagc aagttctttg atcagnttac 300
tcaaacagga aggga 315
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<210> 2436

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

1766

<220>
<221> misc feature
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<400> 2436
ggcgcgtcttt aatantggat cccccnggct gcatgaattc cgetcnanga ncactctttt 60
tattgtactc gtgaataatg atgaaggaga atggaatggc ccaccacctn aatgcaaaag 120
gaaaaatctc taacttccaa aggtcccacc agcagttcag aaaacctacc aacagtnaat 180
gttccaacta cagaangtct cncnacttc tcagaaagcc ancaca 226

<210> 2437
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (298)
<223> n equals a,t,g, or c

1767

<220>
 <221> misc feature
 <222> (308)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (323)
 <223> n equals a,t,g, or c

<220>
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 <222> (357)
 <223> n equals a,t,g, or c

<220>
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 <222> (365)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (402)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (424)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (431)
 <223> n equals a,t,g, or c

<400> 2437
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 gaaccagatg cccatgctca tggggcccacc ccccgcctcc accaattttct ttggcttctt 120
 gagctaaggg ggacaccctt ggctccaag ccagccttga acccacctcc ctgtccctgg 180
 actctactcc cgaggctctg tacattgctg ccacatactc ctgccagctt gggggagtggt 240
 tccttcaccc tcacagtatt tattatcctg caccaccttc actgttcccc atgcgcacnac 300
 acatacanac accccaaaac acntacattg gaaagtgggt tcattgaata aaaggantgt 360
 gtttnccttt ggggatctgc taagtaaggg gtaaattcnt tnttttaaaa cttcaatcct 420
 taangaagta nattctccca gaagcaaaaga aaaattc 457

<210> 2438

1768

<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<400> 2438
gggtggcgat ggcactgtgg gctgggtgct tggcgccctg gaggagacac ggtaccgact 60
ggcctgcccg gagccttctg tggccatcct gcccctgggc acaggggaatg accttggtcg 120
agtccctccg tggggggcgg gctacagcgg cgaggaccgg ttctccgtac tgctgtctgt 180
ggacgaggcc gacgccgtgc tcatggaccg ctggaccatc ctgctggatg cccacgaggc 240
tggcagtgcg gagaacgaca cggcanacgc agagcccccc aagatcgtgc agatgagtaa 300
ctacttggtg cattggcatc naccnggact gancctggac ttcaccaagc accgnaanga 360
ggaacctgc 369

<210> 2439
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)

1769

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (180)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (186)

<223> n equals a,t,g, or c

1770

<220>

<221> misc feature

<222> (239)

<223> n equals a,t,g, or c

<400> 2439

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atccctggcg ccnacccttg ngteccccgn cctcgagccc tttaatctga cttcggagcc 120
ctcggacnac gcncctggacc tcagcacttt cctccagcaa naccgggacg cttcnaacn 180
gggacncccc gaactcccc aaaaagaaacc gaaaaaccca caaagaaaac accaaggcng 240
taccgggggg c 251
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<210> 2440

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<400> 2440

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gtggaaagaa gtctgatcag tcaaactgta gcctggaacc attactacag cagctttcaa 120
caagctacaa aacaatgcc gatgtgtgcc aagcttctaa tctgttctct gcattgaggt 180
ctttaaactg ttgtctacct tccagcttat agaaatctcc cacttatttg gaaaaaaaaa 240
atgtctttgtg gcaagcaaca aaaattggga ctccctgctc caaaaaacat gttgggatgg 300
ggnaattttt ctttaacagg gttgaaccn attgaaaaaa ccancctcct ngtttaattt 360
naagaaa 367
```

1771

<210> 2441

<211> 322

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (176)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (226)

<223> n equals a,t,g, or c

1772

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<400> 2441
ggcagannaa agatggagat gagtttaata attcaatng ccagttattt cttgctttca 60
atatgctgat ggacaggcct ctggaggaag ccgtcaagat caanggggca nctttgaagt 120
accttcctag cataattaat gatgtcaaac ttgtatttga tctgttgag ctcagngtgc 180
tcttctgcaa attcattnaa agcattcctg acaaccagnt ggttcngcan aaacttaact 240
gcatgaccaa gatagtagag agcactcttt ttcnacagtc agagtgcana gaagtgctgc 300
tgccactgct gacggaccan ct 322

<210> 2442
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)

1773

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 2442

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cgcgggggcc cggtctcccg gcgcggccct cgggcggacg gagcgggcgg ccggcggcgg 120
agacggcgcg cggcgcttcg ggagccagcg ggtgctggtg gagccggacg cgggcgcagg 180
ggtcgtgtg atgaaattca agaaccccc agtgaacagc ctgagcctgg agtttctgac 240
ggagctggtc atcagcctga gaagctggag aatgacaaga gcttcgcggg tgtnattctg 300
acctcggaac gccgggtgtn ntctcggncc gctggacctg acgganatgt gtgggaagaa 360
ccccg                                     365
```

<210> 2443

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

1774

<400> 2443

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ttgaaaaaat caagacgaca gtgaaggagt cagccacaga ggagaagctg acccctgtgt 120
tgctgggctaa acagctggca gccctgaagc agcagctggt tgcttccac ctggagaagc 180
tgctgggacc agatgctgca atcaacctta ccgaccccgga tggcgccctg gctaagcgcc 240
tactactgca gctggaagca acaaagaaca gcaaaggggg atcaggggga aaaaccactg 300
ggaccccccc agatagcagc cttgtcactt atgaactaca ttctcggcct gagcaggaca 360
aagttctctc aaagctgnca aaagtccaga acttgaaaag cgcctgacag aactggagac 420
agctgtcggt gtgatcagga tgctcagaat ccccttctgc aggtctacag ggagcctgtc 480
tcatggagac tgtaaactgt tgcaagcaaa ngtgaacgcc ttaaacttgc agttttggat 540
caantggang gttnggttcn 560
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<210> 2444

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<400> 2444

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ggatcccccg ggctgcagga attcggcacg agggaaaact agcttaaadc tctcactcaa 120
cctgattttt gaattgcctt ctctttttat ggtggagggc aagcaattca gatctctgga 180
ttatgaattt tgtgaaaccc atgatagtac tattacttga agcctgtggt gaagatatga 240
gttaatcttt aatgtgcttt gtgatatgta tttatttagt ctcaaactac caccaagtat 300
cattgtaggc ttgtttgcac tggattttta gcttactctc attatacaga gttattggat 360
gtatttgtat ttgaagctat atttgtagtt atagcaagtg tactgcttat attgtagcat 420
tgtgtataaa aatctgattt agatttttgg aatgctagta tctggaaaat acccttaaag 480
tattttccag acagctgggc caagtatttc agtaattatg cttgttaact tttattatit 540
atatctcttg tgccttag 558
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<210> 2445

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1775

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (279)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<400> 2445

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tgacagtgct gcggcaggcc attgccgagc gcatcaagcc tgtgctgatg atgaacaaga 120
cgtgaacgtc atcatctcca cctacggcga gggcgagagc ggccccatgg gcaacatcat 180
gategatcct gtccctcggtta ccgtgggctt tgggtctggc ctccacgggt gggccttcac 240
cctgaagcag tttgccgaga tgtatgtggn caagttcgnc gncaaggggg agggccantt 300
ggggcctgnc gagcgggcca agaaagta 328
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<210> 2446

<211> 230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

1776

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (107)
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<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>

1777

<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<400> 2446
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agagcttggt gctcatttag aagtgcacca tcacgggtct gacctnttgg gacccanct 120
gtgaggcana ggacaggggt gacaagtttg tattgcgcag tgnntactcc agctgtggca 180
tgcangtgtc ancaagtatg atcagcaatg agngngnggt caatatactg 230

<210> 2447
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<400> 2447
gcgnacgcgt gggcgctcc tccgctgtct ccctggagtt cttgcaagtc ggccaggatg 60
tctcaggctg agtttgagaa agctgcagag gaggttaggc accttaagac caagccatcg 120
gatgaggaga tgctgttcat ctatggccac tacaaacaag caactgtggg cgacataaat 180
acagaacggc ccgggatgtt ggacttcacg ggcaaggcca agtgggatgc ctggaatgag 240
ctgaaagga cttccaagga agatgccatg aaagcttaca tcaacaaagt agaagagcta 300

1778

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aagaaaaaat acgggatatg agagactgga tttgggttact gtgccatgtg tttatcctaa 360
actgagacaa tgccttggtt ttttctaata cccgtggatg gtgggaattc gggaaaataa 420
ccaggtaaac cagctactca aggctgctca ccatacggnt ctnacagatt aggggctaaa 480
acgattactg acttttcttg agtaggtttt atctgaaatc aattaaaagt gnatttggtg 540
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<211> 361

<212> DNA

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1779

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agatggtcag tttaaagata tcagcctgtc tgactacaaa ggaaaatatg ttgtgttctt 180
cttttacccct nttganttca cttttgtgtg ccncacggag atcattgctt tcagtgatag 240
ggcanaagaa tttaagaaac tcaactgcca agtgattggt gcttctgtgg attctcactt 300
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t 361

<210> 2449
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<220>
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1780

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gcacaaaata ctgtcatttg ctcaaagctg gctgccaaat gtttggtgat gaaggcagaa 180
atgaatggct caaaacttgg gagaagagca aaacctgaag gggccctcca gaacaatgat 240
gggctttatg atcctgactg cgatgagagc gggctcttta aggccaagca gtgcaacggn 300
acctccatgt gctggtgtgt gaacactgct ggggtcagaa gaacagacaa ggacactgaa 360
ataacctgct ctgagcgagt gagaacctac tggatcatca ttgaactaaa acacaaagca 420
agagaaaaac cttatgatag taaaagtgtt cggactgcac ttcagaagga gatcacaacg 480
cgttatcaac tggatccaaa atttatcacg agtattttgt atgagaataa tggtatcact 540
attgatctgg ttcaaaaattc ttctnaaaaa aactcagaat gatgtggaca tagctgatgt 600
ggcttattat tttgaaaaag atgttaaang tgaatccttg gttcattcta agaaaatgga 660
cctgacagta aatggggaac aactggatct ggatcctggc aaactttaat ttattatggt 720
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<222> (349)

1781

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<400> 2450

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gataccttcc gagtggagtt tctggtgggc cctgtgggag gcctctcatt tttagttaat 180
cacgatttct ctctcttga gatcctctgg accttctcca tctacctgga gtccgtggct 240
atccttccgc agctatttat gatcagcaag actggggagg ccgagaccat caccacccac 300
tacctgttct tcctgggcct ctatcgtgct ttgtatcttg tcaactggnt ctggcgcttc 360
tactttgagg gcttctttga cctcattgct gtgggtggccg gcgtagtcca gaccatccta 420
tactgtgact tcttctactt gtacatacaa aagtactcaa gggaaagaag ctcagtttgn 480
cagcata 487
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<211> 407

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<213> Homo sapiens

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1782

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<220>

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1783

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<220>
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gencctentt tgacattcac ancatccaag tgtgtctgca ccttgnagtc ttacttgget 180
ttccatctga tgggtcccctg gtgtgtgccc tгнаacanga acnaangctc cgcctccctc 240
cgaaagccan ctcccccttt gcaacccctt ctccnaaaag caatggcana agaactnaat 300
ccccacgtga tgggtgctccc tggcccataa ctggccccggg accggttnng ggaaccccan 360
ntttcttnga aaacccttgc ccacttcctg gttggtttca ggaaacc 407

<210> 2452
<211> 474
<212> DNA
<213> Homo sapiens

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<220>

1784

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 ttgcggttag ctgggaccgc cgttcagtcg ccaatatgca gctctttgtc cgcgcccagg 120
 agctacacac cttcgagggtg accggccagg aaacggtcgc ccagatcaag gctcatgtag 180
 cctcactgga gggcattgcc ccggaagatc aagtcgtgct cctggcaggc gcgcccctgg 240
 aggatgaggc cactctgggc cagtgcgggg tggaggccct gactaccctg gaagtagcag 300
 gccgcattgct tggaggtaaa gtccatggtt ccctggccccg tgctggaaaa gtgagagggtc 360
 agactcctaa ggtggccaaa caggagaaga agaagaagaa gacaggtcgg gctaagcggc 420
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<210> 2453
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 <213> Homo sapiens

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1785

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1786

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tggaactggt cttttcaa atgtggtatagc agtgggtcca gtctccagct gggaatatta 180
cgcgtctgtc tacacagaga gattcatggg tntcccanca aaggatgata atcttgagca 240
ctataagaat tcaactgtga tggcaagagc agaatatattc agaaatgtan actatcttct 300
catccacgga acagcagatg ataatgtgca ctttcaaaac tcagcacaga ttgctaaagc 360
tctggttaat gcacaagtgg atttncaggc aatgtggtac tctgaccaga accacggntt 420
atccggcctg tccacnaacc acttatacac ccacatgacc cacttcctaa agcagtgttt 480
ctctttgtca gactaaaaac natgcatatg caatcctgna tcagaaatnt gaaaacctta 540
tataaancct tcagacaagt ttgcttaatt taatttttat gttngaaaaa tgctagttta 600
ancaaccaat taatggtggt naaaggntgt 630
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<211> 251

<212> DNA

<213> Homo sapiens

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 gcacgnagnng gnnatgccggt gggaggatth ggaccgttga acatnatcca cgttaaatggg 180
 gacgaanggg gaaaggggtc cacctttgcc ttttnaaggaa tttttttccc caaaaanttg 240
 ggcttaanga c 251

<210> 2455
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 <212> DNA
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1789

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1790

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acttcttgcc ttcnttntgg ctgcgcacaa aaccatagat tgctcttctg tnagggttttg 180
aattactgat cgcacttnat cgtnttgcac cttaatgcgt nttcttatct naaatcgctt 240
atatctggng ctggcaatng ctgattatcn atgcacatga attgnctagn gaaaaatgct 300
agaacanana acaaaaactt gcncaccat gaaggaatac cgattcccn ccatggtaca 360
tattccaggc ccgttatctc gggctttaa agcaaaaatt tccanccaa ataacaacag 420
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1792

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<220>

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<400> 2456

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acaaccaccc gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcctg 180
gtggtccttg ggcttcctt gcaaccaatt tgggacatca gganaactgt caaaatgagg 240
anactctgaa cagtctcaat tatnttccgt cctgggggtgg gnataccaac ccccttccc 300
cctttttcca aaaattttaa ggttaaang gcnaaaaaaaa acatcctntt tttcccccta 360
ccttaaanga aaac                                     375

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<211> 287

<212> DNA

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1793

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<400> 2457

1794

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aaagtcatca gcaccatgtn tnggggcatn gaccacttgg ctttgatga aatcaagaag 180
cgtgggatcc gagttggcta caccacagat gtcctgacag atacnaccgt cgaactcgca 240
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<210> 2458

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<212> DNA

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<222> (78)

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<400> 2458

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tgcctactgn tgncttcntt tgatcactgt gacttccctg agctg 105

<210> 2459

<211> 500

<212> DNA

<213> Homo sapiens

<220>

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<222> (64)

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<220>

1795

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<222> (94)
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<220>
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<220>
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<220>
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<222> (311)
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<220>
<221> misc feature

1796

<222> (317)
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<220>
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<220>
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<220>
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<220>
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<222> (394)
<223> n equals a,t,g, or c

<220>
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<222> (400)
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<220>
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<222> (422)
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<220>
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<222> (431)

1797

<223> n equals a,t,g, or c

<220>

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<222> (432)

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<220>

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<222> (436)

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<220>

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<222> (443)

<223> n equals a,t,g, or c

<220>

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<220>

<221> misc feature

<222> (451)

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<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

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<220>

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<222> (471)

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<220>

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<222> (472)

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1798

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<220>
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<220>
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<222> (478)
<223> n equals a,t,g, or c

<220>
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<222> (482)
<223> n equals a,t,g, or c

<220>
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<222> (484)
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<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
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<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (498)
<223> n equals a,t,g, or c

<400> 2459
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tgcnagtggc actgctgctc ctgctcctgg tagncgctgg ccggcgcgca caggtagtgt 120
ccgtggccac tgaaactncc ctgccagtgc ttgcagaccc tgcagggaat tcacccaag 180
aacatccaaa gtgtgaacnt aaagtccccc ggaccccaact gcgcccacaaac cgaagtcata 240

1799

```

gccacactna agaatgggag gaaagnttgn cttcaatcct gcatgccccca ttntttaagn 300
anattatcgg naaaggntgt nnaacagtgg caaattcaat tggancagaa gggagggagg 360
aaggttnaat ggtgggtggt ngcttgnagg gagngccttn gcctttttta gggtagcaaa 420
gngggaaagg nnggtnaaag ttnggagggg ncacntggnt tttggctaan nngnttnnag 480
gnancgttnn ngggaatntt                                     500

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<210> 2460

<211> 104

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (80)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 2460

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gtcccccggn ccccaactnccg cccaaaccgg agtcatagcc aactcaaga ntgggcggaa 60
agcttgccctc aatcctgcan ccccatagtg tatgaaantc atcg                      104

```

<210> 2461

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

1800

<221> misc feature
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (165)
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<220>
 <221> misc feature
 <222> (181)
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<220>
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<220>
 <221> misc feature
 <222> (341)
 <223> n equals a,t,g, or c

<220>
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 <222> (350)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (364)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (387)
 <223> n equals a,t,g, or c

<400> 2461
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 catgttggtta agtgttctat ccattccccac cacaccccaa cttcttcatg naagcaggtn 120
 tccatcctta taacttgaga ggctgtgaat cattccatag atgtnggtct tctgctaccg 180
 ntcttcacat tgctcttaca taccaggtct tcagctgcat tctaggaaac atcatatact 240
 attggattgc aaatctataa ataataaag acaatggact gacaggggaa aaaagttttt 300
 ttttaagttt acaaactnca atcccacttg ttggcatttc naagggggcn atactttttc 360
 ctttattcca ccgtttaaag aagtttngga att 393

<210> 2462
 <211> 362
 <212> DNA

1801

<213> Homo sapiens

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

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<220>

<221> misc feature

<222> (304)

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<220>

<221> misc feature

<222> (307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<400> 2462

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aaggggcaaag ctgcgctgag ccctcgaagt gtgggcggtca tctccccgta ccggaaacag 120
gtggagaaaa tccgttactg catcaccaaa cttgacaggg agcttcgagg actggatgac 180
atcaaggact tgaagggtggt tcagtagaag aattcaaggc aagangaagc gtatctattt 240
cacggcgaaac ancagacttt gnactgatct gactttattg gttcttaacc caagaggtaa 300
tgantgnacc ggcaangctg tatatcgggg aacnntttct ggcataacct ntgaagatct 360
ga
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1802

<210> 2463
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (457)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (461)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2463

1803

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ggacccacgc gtgaccggg ccaagtactt cattcgagat gagtttctga ggatcagcac 120
tgccagtgga gatgggctc actactgcta cctcatttc acctgctg tggacactga 180
gaacatccgc cgtgtgttca acgactgccg tgacatcatt cagcgcatgc accttcgtca 240
gtacgagctg ctctnagaag ggaaccccc aatttaatta aagccttnag cacaattaat 300
taaaagtga acgtaattgt ncaancagtt aatcacccac catagggcat gattaacaaa 360
gcaacctttc cttccccga atgattttgc gaaacccct tttcccttca gcttgcttag 420
atttccaaat ttaaaaagct taangggggc tacaganaaa ngaaaaaagg gcacaaaaat 480
tccctctcac ttctattaaa ataataaaac agcagccgcc aaccanntaa atgaa 535
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<210> 2464

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

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<220>

<221> misc feature

<222> (117)

<223> n equals a,t,g, or c

<220>

1804

<221> misc feature
<222> (153)
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<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
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<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1805

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (372)

<223> n equals a,t,g, or c

<400> 2464

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ggtaaccccn ggggtttccc gggaaaatth cccccggggg ttccggaacc cccaacggcc 60
ggttcccggg cncccaacgg cgggtttttn tnttcntgga aggggggaaag ggngtcncga 120
agcccaggcc cgcttggttt ttggggcggg aanggaantc cccttaaggc ccgtaagtaa 180
aggcattaaa taaatgggtct ttnatctttt gaagtgggat ctacaatggg ntttagcaag 240
tggtggctcn agttcctagg acttgtacaa gaaatntgga aaacttgaat tcttaggttt 300
ggataatgca gggcaaaacc antntnttta acatgctcaa aggatgacag attggccaac 360
ntgttccaac antacatccg a 381
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<210> 2465

<211> 109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (102)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 2465

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gctcagcagg gagcccatg cccttccagg tgtggagagc ancctgcgtg tcaactggctg 60
ccgccagatc ttacggagcc tcccanagca caactacngt antncttcg 109
```

1806

<210> 2466
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>

1807

<221> misc feature
<222> (387)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<400> 2466
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tgtcttcttg cttcagtcctg gaagatnccc agacacatgc taacaggatc tacaggatga 120
tcaaacttgg tctgggtatt gatgaagatg accctactgc tgatgatacc agtgctgctg 180
taactgaaga aatgccaccc cttgaaggag atgacnacac atcacgcatg gaanaagtng 240
actaanctct ggctgagggg tgacttacct gttcagtact ctacaattct ctgatagtat 300
atttcnagga tgcttttctc tatttngtgt aatattaaat agtctgatgg catgacaact 360
actttaaagg gaaagattng attctgnnta cta 393

<210> 2467
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (250)

1808

<223> n equals a,t,g, or c

<400> 2467

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ccgtgagggg aagcgtctcc gttgggtccg gccgctctgc gggactctga ggaaaagctc 60
gcaccaggtg gacgcggatc tgtcaacatg ggtaaaggag accccaacaa gccgcggggc 120
aaaatgtcct cgtacgcctt cttcgtgcag acctgccggg aaagagcaca agaaagaaac 180
acccggactc ttccgtcaat ttccnggaa ttctccanaa antttttcgg aaaaatggaa 240
aaacnttttn tgccaa 256
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<210> 2468

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (445)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1809

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<400> 2468

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gggagccggc gccgggagtg agccataact ggtggctgct cttgcgcca tgagcctccc 60
caattcctcc tgcctcttag aagacaagat gtgtgagggc aacaagacca ctatggccag 120
ccccagctg atgccccctgg tgggtggtcct gagcactatc tgcttggtca cagtagggct 180
caacctgctg gtgctgtatg ccgtacggag tgagcgggaag ctccacactg tggggaacct 240
gtacatcgtc agcnttttcgg tggcgggactt gatcgtgggt gccgtcgtca tgcctatgaa 300
catcctctac ctgctcatgt ccaagtggtn antgggcccgt cctttntgcc tcttttggnt 360
ttccatggac tatgtggcca gcacagcgtc cattttcagn gtcttcatcc tgtgcattga 420
tcgtaccgc tctgtccaca accntcagg taccttangt nttgtaccaa aaccngag 478
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<210> 2469

<211> 574

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

1810

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (557)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (567)

<223> n equals a,t,g, or c

<400> 2469

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gcccacgcgt ccggnnagtc agatagtgag gaacgattcc agttggtaga tctgcgtttg 60
tgagggtttt attctgttct ctgaatcttg gccaaaggaa agttggaagg caactgacag 120
attctgcctt ttaggtactt gaactggcag gaaatgcac aaaagactta aaggtaaagc 180
gtattacccc tgcacttg caacttgcta ttcgtggaga tgaataattg gattctctca 240
tcaaggctac aattgctggt ggtggtatgt taacttctaa cattttaaaa aatttcttca 300
taggaaggaa ttttttgctg cttttaatta gtttttcag gagaggaaat ttaagtatat 360
tttcaatgat ggaagtatgg ttgtatcatg aaatttgatt tatatgtata actcaatgaa 420
tttttacttc atacttgagc tgcattgttt aaagatacct ttcaagttga acagtataca 480
cttcttggtt tcaaatactg ggatttttta aaaaatttaa gtggaatnaa ttctgcact 540
cttctaagnn ggtattncac acattcncaa aatt 574
```

<210> 2470

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

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<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1811

<222> (384)

<223> n equals a,t,g, or c

<400> 2470

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tctaagaagt gctcagagag gtggaagacc atgtctgcta aagagaaagg aaaatttgaa 120
gatatggcaa aagcggacaa ggcccgttat gaaagagaaa tgaaaaccta tatccctccc 180
aaaggggaga caaaaaagaa gttcaaggat cccaatgcac ccaagaggcc tccttcggcc 240
ttcttcctct tctgctctga gtatcgccca aaaatcaaag gagaacatcc tggcctgtcc 300
attggtgatg ttgcgaagaa actgggagag atgtggaata acactgctgc anatgacaag 360
cancttatna aaaagaangc tgcnaa 386
```

<210> 2471

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

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<222> (378)

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1812

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1813

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<400> 2471
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 ctggaacaat ttaaccagca actttccacc accattcaag aggagttcta tagagtttac 120
 ccttacctgt gtcgggcctt gaaaacattc gtcaaagact ctggaagaag aacttataaa 180
 taaaaaaaaga ntcatagaga aagtnnttca tcgactcaca cactatgatc atgttctaata 240
 tgagctcacc caggctggga ttgaaaggct ccacagaggg aagtgagagc tatgaagaag 300
 atccctactt ggtagttaaa ccctaactac ttggctggag gattgnagat aagtggaaan 360
 taatggacca gagctganga acngtgggca cncacntcnt ggncngggag cngggngggga 420
 gctngggnag ggacaaagtg tttccgggan tgnnggcttc caggatttgt tttccngaac 480
 caagaattga gttgaaggtc ccaagtgtca catncntcac aggtttcata ccaacacagg 540
 cttcagcaat 550

<210> 2472
 <211> 440
 <212> DNA
 <213> Homo sapiens

1814

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<220>
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<222> (181)
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<222> (204)
<223> n equals a,t,g, or c

<220>
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<222> (211)
<223> n equals a,t,g, or c

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<220>
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1815

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<220>
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<220>
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<222> (380)
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<220>
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<222> (428)
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<220>
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<222> (440)
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cctatatatg accccatcaa tggaaacacca gcatcatcca ccatgacttg gttcagtgac 120
agccctttga cggaaacanaa ctgcagcatc ctgcattca gccaaacccc ccagtcccca 180
naagcacttg cggatatgta ccancctcgg nctntggntg ataaagccaa gctcaatgca 240
ggttggttag actnctgacg ctcgnttatg gaacanggca tncaacagga tgagcagctg 300

1816

```

ctnttacgat ttaaantntta ttgtttcttn gacttgaatn ctaaatatga tgctgtccna 360
ataaaccaac tctatgagnn agccagggtgg gccattctct tacaagaaat tgattgcaca 420
cgaggggnga aatggttagan                                     440

```

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<210> 2473
<211> 387
<212> DNA
<213> Homo sapiens

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<220>
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<222> (5)
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<220>
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<220>
<221> misc feature
<222> (11)
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<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

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<400> 2473
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cgctctagaa ctagtgatc ccccggtg caggaattcg gcacgagccg ctacaaccaa 120
gagacaccaa tggagatctg cctcaatgga acccctgctc tggcctacct ggcgagtgcg 180
ccccacccc tgtgtccaag tggccgcact ccagacctga aggcctctact caacgtggtg 240
gacaatgccc ggagtttcat ctacgtcgtc gtcatgaact acctgcccac tctggagttc 300
tcccacctac gagcgtggcg tcaagggtgc cctgctcacc agctgctggg gacactcgga 360
ggccatccat gcgggccttc ctgctct                                     387

```

```

<210> 2474
<211> 338
<212> DNA
<213> Homo sapiens

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<220>
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<222> (195)

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1817

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<400> 2474

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aattcggcac gagcacagct catgtttttcc agcctgtgtg ggagcttggt ctgaagagag 60
attaagtgat agcctactta tggatcctgg agaattcttc agaaatccat gtgtaactca 120
ggtgcctatt tggttatgac aaaagatatg gctaattttt attttgaaaa gtttgaataa 180
acttagtttt ctctntttcc acttgcaaag agttttgatg atggagacta ttttcctgtg 240
tggggcacat gccttgatt tgaagagctt ttgatgctgn ttagtggaga gtgcttatta 300
actgccacag gtnactgttt gacgtggcaa tgccgttg 338

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<210> 2475

<211> 496

<212> DNA

<213> Homo sapiens

<400> 2475

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gggagcaggt ggcggttttg gctcccccat ggacatcttt gatatgtttt ttggaggagg 60
aggaaggatg cagagagaaa ggagaggtaa aaatgttgta catcagctct cagtaaccct 120
agaagactta tataatggtg caacaagaaa actggctctg caaaagaatg tgatttgtga 180
caaatgtgaa ggtagaggag gtaagaaagg agcagtagag tgctgtccca attgccgagg 240
tactggaatg caaataagaa ttcatacagat aggacctgga atggttcagc aaattcagtc 300
tgtgtgcatg gagtgccagg gccatgggga gcggtatcagt cctaaagata gatgtaaaag 360
ctgcaacgga aggaagatag ttcgagagaa gaaaatttta gaagttcata ttgacaaagg 420
catgaaagat ggccagaaga taacattcca tgggtgaagga gaccaagaac caggactgga 480
gccaggcgat attatc 496

```

<210> 2476

<211> 189

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

1818

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<222> (52)
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<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
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<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
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<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
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<222> (147)
<223> n equals a,t,g, or c

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<222> (155)
<223> n equals a,t,g, or c

<220>
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<222> (188)
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<400> 2476
catctgaaaa agaatganc ccaacantcc ctctatcaca tatgaacatc antcagtngt 60
ttgaatttca tcgnatgac tgggcagacc tcagctgcct gggtttaccga gctgataccc 120
agncatacca gcctttatna acaaagnctg ggttnaaaga gaagttctac gtgctccttc 180
gtgggcang 189

<210> 2477
<211> 531
<212> DNA
<213> Homo sapiens

1819

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (478)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (525)
<223> n equals a,t,g, or c

<400> 2477
tgaatncccg ggctcgaccca cncgtccgcc caacacaggg atgctcataa ggaaagggtta 60
aaaaaagtaa aaggaactcg gcaaacttta ccccgctgt ttaccaaaaa catcacctct 120
agcatcacca gtattagagg caccgcctgc ccantgacac atgtttaacg gccgcggtac 180
cctaaccgtg caaaggtagc ataactactt gttccttaag tagggacctg tatgaatggc 240
tccacgaggg ttcagctgtc tcttactttt aaccagtga attgacctgc ccgtgaagan 300
gcgggcatga cacagcaaga cgagaagacc tatggagctt taatttatta atgcaaacag 360
tacctaacaa acccacaggt cctaaactac caaacctgca ttaaaaaattt cggttggggc 420
gaactcggaa caaaaaccaa cctccganca atacatgcta agacttcacc agtccaancg 480
aactactata ctccattgat ccaataactt gaacaacgga acaanttacc c 531

<210> 2478
<211> 409
<212> DNA
<213> Homo sapiens

1820

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<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
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<222> (408)
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caaaagaaga aagatgaggc agaggtccaa gtaaaccgct agcttggtgc accgtggagg 120
ccacaggagc agaaacatgg aatgccagac gctggggatg ctggtacaag ttgtgggact 180
gcatgctact gtctagagct tgtctcaatg gatctagaac ttcacgccc tctgacgcc 240
gatcacctct gagacccacc ttgctcataa acaaaatgcc catgttggtc ctctgccctg 300
gacctgtgac attctggact atttctgtgt ttatttgtgg ccgagtgtaa caaccatata 360
ataaatcacc tcttccgctg ttttagctga agaattaaaa nctanntna 409

<210> 2479
<211> 497
<212> DNA
<213> Homo sapiens

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<220>
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1821

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<222> (360)
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<222> (388)
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<222> (389)
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<220>
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<222> (423)
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<220>
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<222> (437)
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<220>
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<222> (439)
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<220>
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<222> (455)
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<220>
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<222> (460)
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<400> 2479
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taataacatc aatttttcgc tgcgtgctgg cgaatttaag ttaattaccg gtccttctgg 120
ttgtggcaaa agtacgctgc taaaaatagt tgcttcattg atcagcccaa ccagcgggaa 180
gttnactgtt tgaagggtgag gatgtcagca cactaaagcc agaaatctac cgccaacaag 240
tctcttactg cgcccagaca ccgacgctgt ttggcgatac ggtatacggg aaatctggat 300
ctttccctgg cagatccgta accggcagcc tgaccagcc atttttctcg nttttttcgn 360
acggtttggc tttgccggac agcatttnna cggggatttc gccgggtttt tgggtggggaa 420

1822

aanaaggatt tcatggntng taaccgcga tttngccgn ggttttattg ttgggtggaa 480
taaccatggg tgggtgg 497

<210> 2480

<211> 171

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

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<220>

<221> misc feature

<222> (58)

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<220>

<221> misc feature

<222> (71)

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<222> (105)

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<222> (122)

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<222> (147)

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<220>

<221> misc feature

<222> (157)

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<220>

<221> misc feature

<222> (171)

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<400> 2480

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tggacacacg ngaaggagca gctggaaact ctccggaagc tgcanaggag ggaggtggct 120

1823

gngcagtggc tgcggcctgc agaggangac cacctgnagg attccctgga n

171

<210> 2481

<211> 448

<212> DNA

<213> Homo sapiens

<220>

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<222> (405)

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<222> (419)

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<222> (426)

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<400> 2481

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ctcatattatt gaaaacatta tttctcacct ttctcaaatt gaagactgca aaaaataaaa 120
gcagtgccttt attgagttgt catgagcctc gggcgggagc agcagcactg cctctccacg 180
ctccgggaaa ccgcagctgg cgtgtgccac atcgggtcca cctcgtttta caaaacagtc 240
ctgaagctta atcaaataaa attattgtac acaacattta cattagaaaa aganagctgg 300
gtgtaggaaa gccgggcctg gtgttccctt taagcgaagg tggntccaca gttggggcat 360
cgtcgttcc tcaaggcaaa acagcaaatg aacccaaagg ggaanaggat gatggccang 420
aagatnccca ngaaggtgaa gcantcct 448

1824

<210> 2482

<211> 370

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (53)

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<222> (74)

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<222> (175)

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<222> (194)

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<222> (201)

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<220>

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<222> (205)

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1825

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<220>
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<222> (209)
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<220>
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<222> (215)
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<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

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<222> (235)
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<220>
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<222> (250)
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<222> (267)
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<220>
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<222> (337)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>

1826

<221> misc feature
<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<400> 2482
cccacgcgtc cgaagatcat cttctgatnt gttgggtttt gaatatacta aanaccctgc 60
taaaccagac caantggaaa atgtaatcct gatctcanat taanaagtcc cataaggaag 120
ctatgggtctc tcctgaaatt caaatttgaa tggaaatctc ctaatgcac tgatnaacat 180
actgtttgtc tgtnggatat nggcncngna acaanagaat gcnaaattgt ngatnctaaa 240
ccatctttan tggccactca actgttntta aaagatgtga ctggcacctg ctgcacaatt 300
cattgtatgg atctgttgct gatgatcaaa acttatnata tggaacncaa nntccaatac 360
aactccaanc 370

<210> 2483
<211> 383
<212> DNA
<213> Homo sapiens

<220>
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<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)

1827

<223> n equals a,t,g, or c

<400> 2483

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ctggttaggtt cgcaggtaca ggtccggaat tcccgggtcg acccacgcgt ccggaagatg 60
cagaagatcg gcctccagaa ctctgttta ttcattggagg acacactgct aagatttcag 120
attttagctg gaacccaat gagccttggg tcatttgctc agtgtctgag gataacatca 180
tgcagatatg gcaaatggct gaaaatattt acaatgatga agagtcagat gtcacgacat 240
ccgaactgga gggacaagga tcttaaacc aaagtacgag aaatgtttct gttgaatgta 300
atgctacatg aatgcttnat ttatntttcg ccaaaaaggc attgtatant angaaatgta 360
agtggggtgg cttatggctn ctt                                     383
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<210> 2484

<211> 583

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

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<222> (7)

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<222> (43)

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<220>

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<222> (56)

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<222> (140)

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<220>

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1828

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1829

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 ctnagggtctt ccttttctgn cctcctncag gatgggggtca accgccatcc tcgccctcct 180
 cctggctgnt ctccaaggag tctgtgccga agngcanctg gngcagtcgc gagtagaggt 240
 gaaaaagccc ggngagtctc tgaggatctc tgtaagggtt ctggatacag ctttaccagc 300
 tactggatca agtgggtgcy ccagatgccn gngaaaggcc tggagtgnat ggcgaggatt 360
 gatcctagn gactcttatac caactacagc ccgtccttcc aaggccacgt caccatctna 420
 gctgacaagn ccatcagcac tgctacctgc agtggagcag ctgaaggcct cggacaccgg 480
 catgnattac tnggccagac atgaagccag aggccttggac tactttgact actggggcca 540
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1830

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ggacagcaag gacagcacct acagcctcag cagcaccctg acgctgagca aagcagacta 180
cgagaaacac aaagtctacg cctgcnaagt caccatcag ggctganct cccccgttnc 240
aaa 243

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1831

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agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttggattg gtacctgcag aagccagggc agtctccaca gtcctgatac tatttgggtt 240
ctaatacgggc ctccgggggc cctgacaggt tcagtggcag tgggtcaggc acagacttta 300
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1832

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<222> (383)
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catctcctgc accgcagca ntggcaagca ttgccagcaa ctatgtgcag tggttccagc 180
agcgcccggg cangttcccc caccactgtg atctatgagg ataaccaaag accctctggg 240
gtccctgacg ggttctctgg cttacatcga cagctcctnc aactctgcct tccttaccat 300
tctctggact gaanactgag gacgangctg actactactg gnagtcttat taataacaag 360
caatgttggg tatttcggcg ganggaccaa aacctnaacc ttctaag 407

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<212> DNA
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1833

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ccaggggaaa nagccaccct ntcctgctgg gccagtcana gtgtttacag cagctactta 180
gcctggtacc agcagaaacc tggncaaagnt cccaggnncc tcatctatgg tgcattccagc 240
aggg                                     244
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1834

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acagagtcac catcacttgc ccgggcangt cagagcatta ncagcgatgt aaattggatc 180
agcagacaat atggaaagcc ctancctcct gatctatgct gcatcaantc gcatagtggg 240
gccccatangg tcagtgcagt gatctggggac agacttcact ctcacatanc agtctgcacc 300
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1836

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1837

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ccggnctctcc tggacagtna gtcaccatct cctgcactgg gaaccagcag tgaatgttgg 180
tggttataac tttgtntcct ggtaccaaca ggaccaggc aaagncccca aactnatgat 240
ttatgaatgt nacttaagc gggccctcag ggtccctga atcgntttct ttgggntcca 300
agttttggca acacggcctt ccctggacca ttttttgggg ttccaggtnn aggatgacgg 360
tggattatta actggttggg tcatatttca gngggcttac aatagnttat gtttttcggg 420
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1838

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1840

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1841

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 tgccctccgtg tctgggtctc ctggnacagt cgatcaccat ctcctgcact gggaacaagt 180
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 cccaaccctg gttttatgga tgnagttat tgggcctaag gggtttttta aatgcgcttt 300
 ttttgggttc caagtttggn aaaaaggggn cttccttnga ncatttttgg ggttcccncc 360
 ctgggggggg tttttntttt ttnnntnngn gctnttttgg aaaggncccc actntntttn 420
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1842

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cagtagatat gctgtcacct gggtagcaca ggcccctgga caaggccttg agtgggtggg 240
aggcatcact cctgtctatg gtacgacaca ctatgcagat aatttgccgc gccgggtcac 300
cataacggcg gacaaatcca cgaacatagc ctatatggaa ttgaagagcc tgaaatttga 360
agacacggcc atgtatttct gtgcgagggg tcacaactcc tatgacagtt cggctctcaa 420
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cccacngtc ttccccctgg cacccttctt 510

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tttctgtgcg agacctattg cgagtgtgaa agctcgtctg gtggcaccaa gcaaggacta 180
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1843

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249

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caatgtgagg tgcggctggt ggagtctggg ggaggcttgg ttcagccagg gcggtccctg 180
agactctcct gtacaactcc tggattcacc tttgatgatt atgcgatgaa ctggttccgc 240
caggctccag ggaggggggct ggagtgggtg ggtttcatta gaagcaaaac ttatgggtggg 300
acaacacaat acgccgcggc tgtgaaaggc agattcacca tctcaagaga tgattccaaa 360
agtatcgtct atctgcaaat gaacagcctg aagaccgagg acacagcccg tgtattattg 420
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1844

<213> Homo sapiens

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1845

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1846

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gaactgcctc tnttgtgtgc ctgctgaata acttctatcc cagngaggcc aaagtacagt 180
ggaaggtgga taacgccctc caatcgggta acttccaggt ggagtgtcac agagcaggnc 240
agcaaggaca gcacctacag cctcagcagc accctgacgn tgagcaaagc agactacggg 300
gaaacacaaa gttttacggc tgcgagttca ccntcaggg ccttaggttg gcccgttaan 360
aaggggtttt aacagggggg gntttttagg gggnggggtt nccccccctt nttctnnntt 420
ttccatttta ccccttcnnn tttnnngcct tnncttttta aaagggnggg ncnnccttt 480
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1847

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<212> DNA
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<220>
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<222> (467)
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<222> (517)
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1848

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tcactctcac catcagcagt ctgcagcctg aagatthttgc aacttacttc tgtcaacaga 180
gtgacgattt cccttttagc ttccggccaag ggacacgact ggagatgaaa cgaactgtgg 240
ctgcaccatc tgtcttcatc ttcccgccat ctgatgagca gttgaaatct ggaactgcct 300
ctgttgtgtg cctgctgaat aacttctatc ccagagagggc caaagtacag tggaaggtgg 360
ataacgccct ccaatcgggn actcccagga gagtgtcaca gagcaggaca gcnaggacag 420
cacctacagc ctcagcagca cctgacgct gagcaaagca nactacnaga aacacaaagt 480
ctacgcctgc gaagtcaccc atcaaggcct gagctcnccc gtcacaaaga gcttaacagg 540
ggagagngtt aaaanggaga aatnccccca nctgctcct 579

<210> 2497
<211> 499
<212> DNA
<213> Homo sapiens

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1849

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<220>
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<220>
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<220>

1850

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<220>
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1851

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 tatagtacat cctccagggc ccctgggnatt cccagaacag gttcagtggc agtgggtctg 180
 ggnactgaac ttctacttct tcaacatcag cgggcctggg agcctgaaga ttttgagta 240
 ttantactgt gcaactctta tcgtagggcc ctccgggact tttcgggcgg aggggaccca 300
 aggtgggaga ttgagacgga actttgggct tgcaaccatn ttgttttttn anntttncgg 360
 gccattttga ttgggggcant ttggaaantt ttgggacttg cncttntttg nnnttncccn 420
 nttggaaaaa attttttttt ccnngggngg ggccaanttn naaaggggag gngngnttaa 480
 agggcnntcn aatngggggg 499

<210> 2498
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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1852

<222> (447)
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<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (489)
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 ggccattttt atgctgactc agccccactc tgtgtcggag ccnccgggga agacggtaac 120
 catctcctgc acccgagca gtggcagcat tgccagcaac tatgtgcagt gggtccagca 180
 gcgcccgggc agttcccca cactgtgat ctatgaggat aaccaaagac cctctggggt 240
 ccctgatcgg ttctctggct ccacgcagag ctctccaac tctgcctccc tcaccatctc 300
 tggactgaag actgaggacg aggctgacta ctactgtcag tcttatgata gcagcaatgt 360
 ggtattcggc ggagggacca aactgaccgt cctaggtcaa gccaagggt tgcccctcgg 420
 tcactctgtt cccgccctcc ttctgangag ctttaagcca acnaggccac actggtgtgt 480
 ctcataagng attcta 496

<210> 2499
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 2499
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 ccaaccatgg agtttgggct tagctgggtt ttccttggtg ctattttaaa agcctccacc 120
 aaggggcccat cggtcttccc cctggcacc cctccaaga gcacctctgg gggcacagcg 180
 gccctgggct gcctgggtcaa ggactacttc cccgaaccgg tgacgggtgtc gtggaactta 240
 ggcgcccttg accagcggcg tgcacacctt cccggctgtc ctacagtctt caggactcta 300
 ctccctcagc agcgtgggtga ccgtgccctc cagcagcttg ggcacccaga cctacatctg 360
 caacgtgaat cacaagccca gcaacaccaa ggtggacaag agagttgagc ccaaactctg 420
 tgacaaaact cac 433

<210> 2500
 <211> 518
 <212> DNA
 <213> Homo sapiens

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<220>
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1853

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<220>
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<222> (506)

1854

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ctctcactgc acaagcctct gtgacctcct atgtgctgac tcagccaccc tcggtgtcag 120
tggccccagg acagacggcc aggattacct gtggggcaaa caacattgga attaaaaatg 180
tgcactggta ccagcagaag ccaggccagg cccctgtgct ggtcgtctat gatgataagc 240
gaccggccct cancgatcct gancgaattt tttggttcca actnttggga acacnggccca 300
ccctgaccat caacanggtc gaaccgggga tgaagccgac tattactgtc aggtgtggga 360
tactagtant gccaaggagt gttcggcgga nggaccaaac ttaccgtcta attaacccaa 420
ggctgcccct cggtcactct gtccaccct tctnttaaga acttcaacca aaaangncac 480
acttggtgtg ncttataaat gacttntacc cggaaccc 518
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<210> 2501

<211> 402

<212> DNA

<213> Homo sapiens

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<222> (345)

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<222> (364)

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<222> (372)

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<400> 2501

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tccgggtctc ctggacagtc agtcaccatc tctgcaactg gaaccagcag tgacgttggt 180
ggttataacc gtgtctcctg gtaccagcag tccccaggca cagcccccaa actcatgatt 240
tatgaggtca gtaatcggcc ctcaagagtc cctgatcgct tctctgggtc caagtctggc 300
aacacgggct tccttgacat cttttgggct ccaagcttga ngacnaaagg tgaattatta 360
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1855

ctgncctgctc gnatcaaagn aagtaagttt tttttcctat tt

402

<210> 2502

<211> 349

<212> DNA

<213> Homo sapiens

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<220>

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<220>

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<222> (41)

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<220>

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<220>

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<222> (240)

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<220>

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<222> (246)

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<220>

<221> misc feature

<222> (268)

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1856

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<220>
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<220>
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<222> (303)
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<220>
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<222> (338)
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ctgatttgca cactgaaaat cagcagggtg gaggctgagg atgttgcat ttattaactg 180
catgcaaagg ttcacactgg cctcggaacg ttcggccaag ggnaccaagg tgggaaatcn 240
aaacgnaact gtggctgcac catctgtntt catctttccc ggccatctgn ntgagccatt 300
tgnaaatctg gaactgcctc tggtgtgtgc cctgctgnat aactttcta 349

<210> 2503
<211> 169
<212> DNA
<213> Homo sapiens

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<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
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<222> (29)
<223> n equals a,t,g, or c

<220>
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1857

<222> (117)
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<220>
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<222> (126)
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<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (160)
<223> n equals a,t,g, or c

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gtggcgccg ctctacaact actggatccc cgggctgca ggaatactgc accacntaa 120
caacangttt gtgctattca ctgtggcata acaatggnnn aattagtcg 169

<210> 2504
<211> 140
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
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<220>
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<222> (37)

1858

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<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

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<220>

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<222> (115)

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<221> misc feature

<222> (125)

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<220>

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<400> 2504

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ctagaactag tggatcccc gggctgcagg aattcggcac ganctccatc tcaanaaaaa 120
aaaaaaaaaa aaancccaaa                                     140
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<210> 2505

<211> 107

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (24)

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<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

1859

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<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
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<220>
<221> misc feature
<222> (107)
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cgctctaaaa ctaatggatc ccccgggctg caggaattcg gcacgan 107

<210> 2506
<211> 104
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
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<222> (28)
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<220>
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<222> (95)
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<220>
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<220>
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<222> (101)
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<400> 2506

1860

ccctctcttaa aaggacaaaa gctggncncc accgcggtgg cggccgctct agaactagtg 60
gatcccccg gctgcaggaa ttcggcacga ggtcngncta ngcc 104

<210> 2507

<211> 134

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (121)

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cgcggtggcg gncgctctag aactagtga tccccgggc tgcaggaatt cggcacgagn 120

1861

ncnagtcctat gacc

134

<210> 2508

<211> 124

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (19)

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<222> (113)

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<220>

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<222> (117)

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<400> 2508

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ctagaactag tggatcccc gggctgcagg aattcggcac gaggccatgt tancgangac 120
attd

124

<210> 2509

<211> 562

<212> DNA

<213> Homo sapiens

1862

<220>
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<220>
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<220>
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 <222> (25)
 <223> n equals a,t,g, or c

<400> 2509
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 gatcccccg gctgcaggaa ttcggcacga gaccccatag agaaaccacc taccctcggg 120
 gaggcttaat tacctggtaa tgcgcagct gactgctac ctgtgtatct tctgttttaa 180
 tactggtagc tctcaccaca taagcttaat tactgggggc agagtgcacat gctcgtgcac 240
 agtcaagatt ccactaaaat ggtttgattt cgttgtaaata agtctcgtat tgcctaatagc 300
 attaaaactc ttgaaatgat tgtattgcta ggccctttct tcaaaacggg ctttcttcgc 360
 attatttagt ttacaggtgg actttttttt ttttaaagga agccaaatta ttgaatgtgt 420
 aagagtacta taaaaagctg attgctcatc ttgagtgtca agaccagtt ccgggtactt 480
 tattcttttag atttggtagt gtagcattat cgaccctctg ccctatgttg ctgtactgtt 540
 tccttttaaaa ggaaatggct ga 562

<210> 2510
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (417)
 <223> n equals a,t,g, or c

<400> 2510
 nctcataagg gancaaagct ggtgctccac cgcggtggcg gccgctctag aactagtggg 60
 tccccgggc tgcaggaatt cggcacgagc ccctcctttg ctctaggat tttacatgtt 120

1863

```

gcctgcaaag ggagtcaaac ttaggggggca ggcaaacaaa cgagttcttt ccagcctctg 180
taaccggatc gctagagcga aataaactcg cacaagtgtc cagagatcgt agccagacag 240
ccagcctgcg cttgaagcaa cttttaagtg aggctgcaag agccgccggg atgtagattt 300
tagttcgtgg ccaagcacia ctacgacacc ctgtccctgc cccacccca tccccaagaa 360
tgcattggagg aaggagagag gacgaggtga gggccgcctg catttctgca cgtcggngcc 420
ggttagaaac cctgcagttt 440

```

<210> 2511

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (146)

<223> n equals a,t,g, or c

<400> 2511

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aaccgcgacc aanggcaaca aancncgggc cccaccgcgg tgacgcccgc tcgagaacta 60
gtggatcccc cgggctgcag gaattcggca cgaggttaat tagaataaag tcattttctn 120
ccaaaaaaaa aaaaaaaaaa aaaagnaaa 149

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<210> 2512

<211> 149

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

1864

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
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<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (129)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

1865

<400> 2512
nnangacctt tcttngantt aacnccctc ccttggaata aaactggagc tccaccgccg 60
tggcggcgct ctaaaactag tggatccccc gggctgcagg aattcgggac gagttcatgg 120
agaggcnant gctnggttcn cctgtgang 149

<210> 2513
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 2513

1866

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gttngaggac cttcgtctcc ctgagggaga ccttggcatg gagattgagc agaagtacga 60
ctgtggagaa gagatcctga tcacgggtgct gtctgccatg acagaggagg cagctgttgc 120
aatcaaggcc atggcaaaat aactggctcc caggggtggcg gtggtggcag cagtgatcct 180
ctgaacctgc agaggccccc tccccgagcc tggcctggct ctggcccggc ctaagctgga 240
ctcctnctac acaattttatt tgacgtttta ttttggtttt cccaccccc tcaatctgtc 300
ggggagcccc tgcccttcac ctagctccct tggccaggag cgagcgaagc tngggccttg 360
gtgaagctgc cctcctcttc tcccctcaca ctacagccct ggtgggggag aaggggggtg 420
gtgctgcttg nggttagtct tttntntntt nttaattca a 461

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<210> 2514

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (270)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (288)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<400> 2514

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gctcgctctc ctgccccacc cggaggtaaa gggggcgact aagagaagat ggtgttgctc 60
accgcggtcc tctgtctgct ggccgcctat gcggggccgg cccagagcct gggctccttc 120
gtgcactgcg agccttgcca cgagaaagcc ctctccatgt gccccccag cccctgggc 180
tgcgagctgg tcaaggagcc gggctgcggc tgctgcatga cctgcgccct ggccgagggg 240
cagtcgtgcg gcgtctacac cgagcgctgn gccaggggc tgcgctgnct ccccggcag 300
gacgaggaga agccgctgca cgccctgctg caccgncgcg gggtttgnct caacnaaaag 360
agctaccg

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<210> 2515

<211> 695

<212> DNA

1867

<213> Homo sapiens

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (665)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (671)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (690)

<223> n equals a,t,g, or c

<400> 2515

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atgccttttg aaagtattac tccaggccaa aggaagtcac ccttctagac ttcagaccac 120
agacaacctg ctccccatgt ctccctgagga gtttgacgag gtgtctcgga tagtgggctc 180
tgtagaattc gacagtatga tgaacacagt atagagcatg aatttttttc atcttctctg 240
gcgacagttt tccttctcat ctgtgattcc ctccctgctac tctgttcctt cacatcctgt 300
gtttctaggg aaatgaaaga aaggccagca aattcgctgc aacctgttga tagcaagtga 360
atttttctct aactcagaaa catcagttac tctgaagggc atcatgcac ttactgaagg 420
taaaattgaa aggcatcttc tgaagagtgg gtttcacaag tgaaaaacat ccagatncac 480
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1868

```

ccaaagtatc aggacgagaa tgaggggtcct ttgggaaagg agaanttaag caacatctag 540
caaatgttat gcataaagtc agtgcccaac tgntatagggt tgttggataa atcaagtgggt 600
tatttaggga actgcttgac cgtangaacc ggtaaatttc tgggtggggag aattcttaca 660
tgtntctctt ngctttaagg gaactgggcn agttt 695

```

<210> 2516

<211> 294

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<400> 2516

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cagcccgagg cccaagccaa ggtggatgtg tttcgtgaag acctctgtac caagacagag 120
aacctgctcg ggagctattt cccaagaag atttctgagc tggatgcatt tttaaaggag 180
ccagctctca atgaagccaa cttgagcaat ctgaangccn attggacatc ccagtgcctg 240
atccagtcaa ggagaaagag aaagaggaac ggaagaaaca nganganaaa ggaa 294

```

<210> 2517

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

1869

<220>
 <221> misc feature
 <222> (364)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (382)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (404)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (429)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (437)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (484)
 <223> n equals a,t,g, or c

<400> 2517
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 tccgcatccg gacaccacag cggcccttcg ctccacgcag aaaaccacac ttctcaaacc 120
 ttactcaac acttccttcc ccaaagccag aagatgcaca aggaggaaca tgagggtggct 180
 gtgctggggg cccccccag caccatcctt ccaaggtcca ccgtgatcaa catccacagc 240
 gagacctccg tgcccgacca tgcgtcttg tccctgttca acaccctctt cttgaactgg 300
 ngctgtctgg gcttcatagc attcgccctac tccgtgaagt ctagggacag gaagatgggt 360
 ggcngacgtg accggggccc angcctatgc ctccaccggt caantgcctg aacatctggg 420
 ccctgattnt gggcatnctc atgactcatt nggattnatc cttgttactt ggtattttctg 480
 ctntgtgac agtctaccat tattttat 507

1870

<210> 2518

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

1871

<220>
 <221> misc feature
 <222> (305)
 <223> n equals a,t,g, or c

<220>
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 <222> (312)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (462)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (495)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (497)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (552)
 <223> n equals a,t,g, or c

<400> 2518
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 tgtaaaagatt aaagggtgatg catctgttaa gtaactaata gagggtgcttat taaaagggtat 120
 gtgtncata agtattaatt ccctttctnt ctttttctta ctagtgcact tgtgttttta 180
 atggatcata ctttaccta tattgtattg tnggangcat cgtggatgga tggctgctgg 240
 aaacccttg ccataaccan ctcttcttca atacttaagg atttaccgtg gctntganta 300
 atganaatth cnaaaccaca ttttgaaaaa ttatttccat cccagtgcata cttgtgttta 360
 ctcttaaca atcattttct aacttgaaag ctggcattcc atgtcttcat ttttgggctg 420
 tttcaatgca agggcttccc taaaacaaaa accaactggg tnaatgttat taagtgattt 480
 gaaaaaaatt ggaanancctt attccatcta tgccttttga tgctacttta tattccggaa 540
 anttaanttt cnccttattt tccaa 565

1872

<210> 2519
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (409)
<223> n equals a,t,g, or c

1873

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (423)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (441)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (537)
<223> n equals a,t,g, or c

<400> 2519
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actattttaat cagtctgtca gattaaccca cctggcatat gtacctggtg tgtgtgtaaa 120
gctctgatgt aatcagctgt acttagttcc ttttagtggt cctatctctt tatccaagtg 180
tattaatttc atcttattaa atctttgaag tatcagacca tgagaangca tgaanaaacc 240
tgggctgana atcttcgcta tangaaacct gatcttgact gtatggctgg cttaagacgt 300
ttcacactgg aattgcaaca cacttattgg tgacctaaagg tgcattgtnc tttgcaaaat 360
ctctcantna aggaatttat tggctnaaaa ctccctgaac tgccacaant gcggggcccn 420
ccnattaaaa gaaacaaagg nttttgctta aaaggccctt gaaaaccaat tcnaacncct 480
ggtccctcct cggaatttca naaaaaaaat ccccnccctt tgaaccccc cctcaanaaa 540
aaa 543

1874

<210> 2520

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (167)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (248)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

1875

<220>
 <221> misc feature
 <222> (339)
 <223> n equals a,t,g, or c

<400> 2520
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 tcggataaga cgtggaccta taaccgcant aatgtggtga tgccggatga tggcgcgccg 120
 ttccgctaca gcttcagcgc cctgaaggac cgccataatg cccttnnagg tgaactggat 180
 tgacccgaac aacggctggg aaacggcgac agancctgtt gaaagatacg cangccattg 240
 cccgtttncg gtcgttatgt ttncaaaaat tgatnccttt tngcttttac cagccggggg 300
 gggggggcccg gttaccccat tccccccct atngttgant tcccttatta aaatt 355

<210> 2521
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 2521
 gctctctaga gccctagcag ttgaactggt agacaaagtg aacaatccag ataaccacgc 60
 acattacact gaagcagatg acgatgactt tgagcccat gcaatcattc gtcataccat 120
 tagatctaca aacaggaatg ccagagctga acggacagct tcagaaataa attttgacaa 180
 attacaattt gaacctcctc tgagaaaaga aacagaagca cgagatgaaa tgggattgtc 240
 atccagaccc aaatttcatg ttacagtggt aatccttttg ttgatggtgc aaatactggc 300
 aaatcacctc aaaacgttgc aataccacc 329

<210> 2522
 <211> 339
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (259)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (336)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (339)
 <223> n equals a,t,g, or c

<400> 2522
 ctttaatctc atttccccct ccatttccag gtactgcaaa aagcctttga cttcaaactg 60
 cacaattcag atagcaaacac ctgggaaaagg caagaagtca acaccaaaac ccatccctat 120
 tctagctgct ggtttttgct cagacaaaat gtcattgttg cttgtatatg gcagttgggt 180
 tcagcctact attgagcgag tgggtacgtta gctgctactc tggagtaaag caatatagca 240

1876

tccctgttgt ccatggaana aaattgattt taaaaataac aacattgggc tttaagataa 300
ataatatatc cttttttaat taaaggattc ttcatnatn 339

<210> 2523

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (274)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (302)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

1877

<223> n equals a,t,g, or c

<400> 2523

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gggaggagct agangagctg gagcaggagg aattggccca ggagttgtta aatgtgggcg 60
acaaggaaga agaaccctca gtcaaattgc ctagtgtacc ttctactcat ctgcggcagg 120
gccagctccc aaagtggatg aagatgaaga agcactaaag cagttggctg agtgggtatc 180
ctgataaatc tgggcttgct ttctaatgc tacctttggt ggtcctttct tccttaagtg 240
ccaagtgctg agctaaagga gaattgcagc tgantatgct cgaaatagtt catccangtc 300
angtggagaa acactatcgg gaaatggaag aaaaattagc actgattatt cagaaacatt 360
ggaaaggggc agggaaaggg aaaattttna ccaacngaag cngnctctta tanaa      415
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<210> 2524

<211> 241

<212> DNA

<213> Homo sapiens

<400> 2524

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gatgggttcag agaaaatatt actgattgtg cttgtcccag catttagcat gttgaagttt 60
tgtatataag aagtttttagc atagtggatt ttttataagt aggttaaaaa atactatttg 120
tatgttcagt taaactttct ctgtatgttt gtctgttaca gctcagtcct tttgtttaca 180
gcgagtttgc caggagagaga aaccttcacg ttccattact tgacccgact ctatgagcat 240
t                                                                241
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<210> 2525

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (506)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (530)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (531)

1878

<223> n equals a,t,g, or c

<400> 2525

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ttttagggtcc ccatgaatcc aagataccta tacttttgat tcagcagcca ggaaaagtga 120
ctggtgaaga tcgactaggc tggggaagtg gctgggatgt cctactcca aagggtctggg 180
gcatggcttt ctggattcca tttatttata gaggtgtgag agtcggaggg ttgaaagagt 240
ctgcagtgca ttctcagtat aagaggtcgc ctaatgtccc aggcgatttt ccagactgcc 300
ctgccgggat gctgtttgcg gaagagcaag ctaagaatct tcttgaaaag taaaaagac 360
gccctcctgc aaaacggccc aactacgtta agcttggcac tctggcacct ttctgctgtc 420
cctgggagca gttaactcaa gactgggagt caagagtcca ggcttacgaa gaaccttctg 480
tagcttcata tccnaatggt aagganagtg acctagnaa gatctgaagn nccttg 536

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<210> 2526

<211> 487

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

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<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 2526

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cgcgacgntg ggcgggtccg cggcgcgntc ggtcggcgcc tattctcggg ctgtttggcg 60
gaggcttgga atagttaaata gactttggtc ttgtccaagg ttagatggag ttcaactcta 120
acgtcaagtc ttggtccttt tcattgacga agcttcacaa aagatgtcta agcaacagcc 180
aactcagttt ataaatccag aaacacctgg ctatgttgga ttgcaaacc tccccaatca 240
agttcaccga aaatcagtga aaaaagggtt tgagttcaca ctgatgggtg tcggtgaatc 300
aggtctagga aaatcgactc tcataaacag cctattccta actgatctgt acccagaaag 360
agtcatacct ggagcagcag aaaaaattga aagaactgtc cagattgagg cttcaactgt 420
tgaaattgaa gagcnagggg tcaagctacg gcttgncagt ggtagatacc cctggctatg 480
ggtgacg 487

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<210> 2527

<211> 410

1879

<212> DNA

<213> Homo sapiens

<220>

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<222> (19)

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<220>

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<222> (20)

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<222> (68)

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<222> (251)

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<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (373)

<223> n equals a,t,g, or c

<400> 2527

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ctagtggntc ccccgggctg caggaattcg gcacgagggc cgttctggag ctgttgataa 120
gagagctcgg gaagctggaa atataaatca atccctgttg actttgggaa gggtcattac 180
tgcccttgta gaaagaacac ctcatgttcc ttatcgagaa tctaaactaa ctagaatcct 240
ccaggattct nttggagggc gtacaagaac atctataatt gcaacaattt ctctgcac 300
tctcaatctt gaggaactc tgagtacatt ggaatatgct catagagcaa agaacatatt 360
gantaagcct gangtgaatc agaaactcac caaaaaagct cttattaagg 410
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<210> 2528

<211> 100

<212> DNA

<213> Homo sapiens

1880

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<400> 2528
cctgggaatg taatgagtgt ggaaaagaca ctctcggatg tcctacctcn ctgtacctta 60
tgtaactcat tcatganana aaccctatna ntgtgctgaa 100

<210> 2529
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>

1881

<221> misc feature
 <222> (342)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (428)
 <223> n equals a,t,g, or c

<220>
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 <222> (437)
 <223> n equals a,t,g, or c

<220>
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 <222> (446)
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<220>
 <221> misc feature
 <222> (471)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (473)
 <223> n equals a,t,g, or c

<400> 2529
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 ttaaggaaaa actcattgca ccagttgcgg aagaagaggc aacagttcca aacaataaga 120
 tcactgtagt ggggtgttga caagttggta tggcgtgtgc tatcagcatt ctgggaaagt 180
 ctctggctga tgaacttgct cttgtggatg ttttggaaga taagcttaaa ggagaaatga 240
 tggatctgca tcatgggagc ttatttcttc anacacctaa aattgtggca gataaagatt 300
 attctgtgac cgccnattct aagattgtag tggtaactgc angagtccgt cagcaagaag 360
 gggagagtcg gctcaatctg gtgcagagaa atgttaaatgt cttcaaattc attattcctc 420
 agatcgtnaa gtacaantcc tgattncaat cataattgtg gtttccaacc nangtggaca 480
 ttcc 484

<210> 2530
 <211> 593
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2)
 <223> n equals a,t,g, or c

<220>

1882

<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (126)
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<220>
<221> misc feature
<222> (130)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1883

<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)

1884

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (170)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

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<220>

<221> misc feature

<222> (343)

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<220>

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<222> (411)

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<220>

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<222> (426)

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<220>

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<222> (430)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (539)

<223> n equals a,t,g, or c

1885

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (560)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (576)
<223> n equals a,t,g, or c

<400> 2530
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ctagttcgcy agcggccgct ctagaggatn caagggttacg tacgcaacca tgccagncna 120
angctntttt antggggcnn cnaaantnaa nttannnggc cgcngttnn caacgtcgtg 180
actgggaaaa ccttggcggt acccaactta atcgcccttc agnacatccc cctttcgcca 240
gctggcgtaa tagcgaagag gcccgcaccg atcgcccttc ccaacagttg cgcagcctga 300
atggcgaaat ggacgcgccc tgtagcggcg cattaagcgc gnggggtgtg gtggttacgc 360
gcagcgtgac cgctacaact gccagcgcgc tagcgcgcgc tcctttcgct ntcttccctt 420
cctttntcgn cacgttcgcc ggctttcccc gtcaagctct aaatcggggg ctncctttag 480
ggttccgatn tagtgcttta cggcacctcg accncaaaaa acttgattag ggtgatgnt 540
cacgtantgg gccatcgacn tgatagacgg atattngccc tttgacgttg gag 593

<210> 2531
<211> 302
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<400> 2531
ccctcactaa nggancaaaa gctggtgctc caccgcggtg gcgnccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agaattgtcag gtaattgtta gccaaccaat 120

1886

```

catattttaa actgagacac caagtaattg actggaatct ctttgtaccg gatttactaa 180
gtgggtgggtt ttctcatgga gtgagctggt gggagttcca ctatttcatt ggaatatgga 240
caaatttttag aatgaaaggt aaacacttgg gagagagaga gagaaagaaa cacagacgaa 300
gg                                                    302

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<210> 2532

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (255)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<400> 2532

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gccttctctn aatgaggctc cctgctcagc tcctggngct gctaagtctc tgggtctctg 60
gateccagtgg gaatattgtg atgactcagt ctccactctc cctgcccgtc acccctggag 120
agccggcctc catctcctgc aggtctagtc agaccctcct gcatagtaat ggatacaact 180
atttggtattg gtacctgcag aagccagggc agtctncaca gctcctgatc tatttgggtt 240
ctaatcgggc cttcnngggn tccttgacag gnttt                275

```

1887

<210> 2533

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (92)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<400> 2533

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tcccgggtcg acccacgcgt ccggnctctgt cntataacaa gcttaaaaac ataccaacng 120
tcaatgaaaa ccttgaaaac tattacctgg aggtcaatca acttgagaag tttgacataa 180
agagcttctg caagatcctg gggccattat cctactccaa gatcaagcag aagctcttta 240

1888

```

tgtcaatcgc atctcagaaa ccagtcttcc accggatatg tatgaatgac tacgtgttgc 300
taacgaagtc actcttaatt aatatctgta tcctggaaca atattttatg gttatgtttt 360
tctgtgtgac agttttcata gtatccatat tttattactg tttattactt ccatgaattt 420
taaaatctga gggaaatggt ttggaaacat ttattttttt taaaaaaaaa naanaagggc 480
ggccgctcta gaggatct                                     498

```

<210> 2534

<211> 429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (205)

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<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<400> 2534

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gcccacgcgt ccgggcccgc atggcgcccc gaaccctcct cctgctactc ttggggggccc 60
tggccttgac ccagacctgg gggggctccc actccatgag gtatttcacc acatccgtgt 120
cccggccccg ccgcggggag ccccgcttca tcgccgtggg ctacgtggac gacacgcagt 180
tcgtgcgggt cgacagcgac gccgngagcc agaggatgga gccgcggggc ccgtggatag 240
agcaggagag gcctgagtat tgggaccagg agacacggaa tgtgaaggcc cactcacaga 300
ttgaccgagt ggacctgggg accctgcgcg gctactacaa ccagagcgag gccggttctn 360
acaccatnca natgatgtat ggctgcnaag tggggttcgg acgggcgctt cctnccgggg 420
taccaacat                                     429

```

1889

<210> 2535
 <211> 565
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (263)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (293)
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<220>
 <221> misc feature
 <222> (383)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (499)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (538)
 <223> n equals a,t,g, or c

<400> 2535
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 cagtttagcaa aggaattctt cagtatgata tgtggaatgt tactcctaca gacctatggg 120
 actggaaggt tctcaaggag aagattgcaa agtatggtat aagaaacagt ttacttattg 180
 ccccgatgcc tacagcttcc actgctcaga tectggggaa taatgagtc attgaacctt 240
 acaccagcaa catctatact cgnagagact tgtcaggaga atttcagatt gtnaatcctc 300
 acttattgaa agatcttacc gagcggggcc tatggcatga agagatgaaa aaccagatta 360
 ttgcatgcaa tggctctatt canagcatac cataaattcc tgatgacctg aagcaacttt 420
 ataaaactgt gtgggaaatc tctcagaaaa ctgttctcaa gatggcagct gagagaggtg 480
 ctttcattga tcaaagccna tctttgaaca ttccacattg cttgagccta aaccttantt 540
 tggggggggcc ccccaaaaaa acccc 565

1890

<210> 2536
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<400> 2536
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agaacgtctc ggatgctgag agctgttacc ttgtccacac cctgctggag ttctacttga 120
aaactgtttt caaaaactac cacaatagaa cagttgaagt cagggatnct nantncattc 180
tctan 185

<210> 2537
<211> 575
<212> DNA
<213> Homo sapiens

1891

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

1892

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (531)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<400> 2537
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gcctgcaaat agcaatgctt ttcccaaaca tgcacataac actgccttct cttaacgaga 120
acctccaaaa taaacaatag tcacccttga cctactaaac agtcatcaca tagagatgag 180
tttttatcct caccttcttg cttcttcagt gaacaagtag taacaagcag cttctggatg 240
tgctngaac tgacttgga taccaatggt tgccaaaaat gnataaagng caaattgaaa 300
aacacaggag actacatcta tatcagtgc acattttctt tcctttctta cagggttttg 360
gaaattggcc atctgcatgg caaagaccga tctttctctg nctcaccaac ctgacaaaaa 420
aggtgtgcc agggaactna tcttacctat cagtgatgtc cgggccagca tangtgcttg 480
gggtcaatta cctttggtcg gaacngngca cactgacat natggctcgg ntggactctg 540
gaaagangaa aatggtggac atgtttgggc ataaa 575

<210> 2538
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (574)
<223> n equals a,t,g, or c

1893

<220>
 <221> misc feature
 <222> (578)
 <223> n equals a,t,g, or c

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 gcttgccggg attgctgtcc ttgccattgg actatggctc cgattcgact ctcagaccaa 240
 gagcatcttc gagcaagaaa ctaataataa taattccagc ttctacacag gagtctatat 300
 tctgatcgga gccggcgccc tcatgatgct ggtgggcttc ctgggctgct gcggggctgt 360
 gcaggagtcc cagtgcattgc tgggactgtt ctteggcttc ctcttggtga tattegccat 420
 tgaaatagct gcggccatct ggggatattc ccacaaggat gaggtgatta aggaagtcca 480
 ggagttttac aaggacacct acaacaagct gaaaaccaag gatgagcccc agaggggaaac 540
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1894

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ctcaccacac tctggagcaa cccggacatg gacactccca cagtggccag ggccccattc 180
tgtctgtggg actgngggnt ctcagnggaa ttgntgcctt tnttgacgtg gagaaatttg 240
ngagacatgt gaaaggagga catgggcaca gtcatggaca tggacacgct cacagtcata 300
cacgtggaag tcatggacat ggaagacnag agcgtttctac canggagaag cngatctcag 360
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1896

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acatcaccct ctgtgacttc atcgtgccct gggacaccct gagcaccacc cagaagaaga 180
gcctgaacca caggtaccag atgggctgcg agtgcaagat cacgcgctgc cccatgatcc 240
cgtgctacat ctctctccccg gacgagtgcc tctggatgga ctgggtcaca gagaagaaca 300
tcaacgggca ccaggccaag ttcttcgcct gcatcaagag aagtgcaggc tcctgtgcgt 360
ggtaccgcgg cgcggcgccc cccaagcagg agtttctcga catcgaggac ccataagcag 420
gccttcaacg cccctgtggc caactgcaaa aaaagccttc aagggtttcg actggtccag 480
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1897

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551

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<212> DNA

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1898

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gagctgagca ggcggaggcc gacaagaagg cggcgggaaga caggagcaag cagctggaag 180
atgagctggg gtcactgcaa aagaaactca agggcaccga agatgaactg gacaaatact 240
ctgaggctct caaagatgcc caggagaagc tggagctggc agagaaaaag gccaccgatg 300
ctgaagccga cgtagcttct ctgaacagac gcatccagct ggttgaagaa gaagtttggg 360
tcgtgcccga gaancgttct ggcaacagct ttgcagaaac ttggangaag cttgagaagg 420
cagcagatga gagtgagaga ngcatgaaag tcattgagaa gtcgagccca aaaagatgaa 480
gaaaaaatgg aaattcagga gatccaactg aaagaagcaa agccattgtt aanatccgac 540
cggaatntna anagggggcc gtaactggca ttattgaaag gactggaact gcaaaagacg 600
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ttcgctgcg ccaagctcgc ctgcaccccc tctctgatcc gagctggatc catagttgca 180
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1900

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ttggagtgtg ttttcatcct gtttttgaca ctaagcagat acgaaatggg gttaaaagta 180
ttggtgagaa gactgaagct tcgttagtat ggtttactcc tccgagaact tcaaaccagt 240
ggcttgattt ctggttacgt catcgactcc agtgggtggag aaagtttgcc atgagtccat 300
ctaacttcag cagcagtgac tgtcaggatg aagaaggccg gaaaggaaac aaactttact 360
acaattttcc cctggggaaa ggagttaata gaaaccctgt ggaacctaaag agatccgaac 420
ttttacacat gtatcctggc aatgnggcta aattaccatg gccgaaatgg acgaaaaaat 480
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gccntgggac ccccnttact acagtgggtgt gattcgtgca gaaaggnta atattgagcc 420
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 ttggggattt cattatatgc agagcagcct gcaaaaggag aggtgtggag cgaagatgtc 180
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 tttcagcgag cagacaaacc acatcaggat tgccatttca ctatccgtgg aggcagacta 300
 aaaggaagat gggagactat ncaactccca gttgtaagtt cttatgctgg aatcttcccc 360
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1906

<213> Homo sapiens

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aggaggggcca ggagtcccca gggccagaca gcgaagcccc agagctgctg cggagctgaa 180

1907

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caccgagggtc cccaagccct ccgcaaagga cgtggagatc ctggagcaag agagcggaagt 240
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tgagagtccct gagccaggca gagacgaccc tgggccgtcc gaagcgcaaa gggcggagggt 360
ccaggggcag catccccctc caggccctaa gacctcctnc tccaggtcag gctcgggaagc 420
ccccacctg cgttttccgc cgtgccccga ggctnccag cgtcccccgaggaggcggtt 480
catggagacg cccatcgagc gcgaaatccg ccggagctgc gaacgcnang agaagctgcg 540
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<212> DNA

<213> Homo sapiens

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<400> 2547

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tgccctatct tacaatggat tcttctggac ccaagcattt gaatatgaag ttgacccgtg 180
ctcaatttga agggattgtc actgatctaa tcagaaggac tatcgctcca tgccaaaaaag 240
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<212> DNA

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1908

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1909

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gagggtctcca ttaaggtaca gaggttagagt gggagagtgt tgcaagctct agcacagtag 180
ttatatctctg ccacaaattg ggggggtgaac acaggagaga atcaaaggag gctttgaagg 240
taggagtttg tgcaggcata tcttataccc actgagcaca gctgccaaact gttgcccttt 300
attcgtctat ttctcagact ccacgggtat tcaatacagg ggggtgccct cggatccttg 360
ctttggactg tggcctcaag tataatcaga tcgatgcctc tgcancgtgg ggctgangca 420
ctgtngtacc ctgggacatg cactanacag ccaaantttg agggctcttc ttaagtatgg 480
gctgggtgacc tgctctattc catgcgnatc cactgancgg tttattganc tatnccgact 540
gntttggact gctggcac 558

<210> 2549
<211> 313
<212> DNA
<213> Homo sapiens

<220>
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<222> (7)
<223> n equals a,t,g, or c

<220>
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<222> (13)
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<220>
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<222> (17)
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<220>
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<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (31)
<223> n equals a,t,g, or c

<220>
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<222> (34)
<223> n equals a,t,g, or c

1910

<220>
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<222> (40)
<223> n equals a,t,g, or c

<220>
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<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (49)
<223> n equals a,t,g, or c

<220>
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<222> (53)
<223> n equals a,t,g, or c

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<220>
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<220>

1911

<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<400> 2549
gcgactncat tgnngganaga attnaccaag ngtngcagtn tgcngggnnc cancacactt 60
tnatnnggtgt ttnggacatt tatggtttcg aaacctttga tgtgaacagc tttgaacaat 120
ttgcncccaa attacgctna tgaaaaactg caacaacagt ttaacatgca tgtcttcaaa 180
ctggaacaag aagaatacat gaaggaagat ataccttgga cgctgataga tttttatgac 240
natcaaccag tttttgacct gattgaanca aaatgggaat cctgganttt ctggatnaaa 300
aatntttgtt tcc 313

<210> 2550
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

1912

<220>
 <221> misc feature
 <222> (68)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (103)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (104)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (469)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (474)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (483)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (490)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (496)
 <223> n equals a,t,g, or c

<400> 2550
 agggnaagct ggtacgcctg caggtaccgg tccggaattc ccgggtcgac ccacgcgtcc 60
 gcccatnntt ccgctagctt tctccgatta taaacaacac tgnnctgaac atccttgtgg 120
 cacggtcttt gctcacatgc agggttattt tgccagtgtc gggtcctgga aaaaaaatag 180
 ttgggcagag aatgtacaca cttttgggac tcgtaatgcc tctcctggga aaggcggggc 240
 ccgtcttctg ctcccccaac agtgtgggaa acggtaccct ctcccttgct gggcagcaag 300
 cacctcttcc cagtgtgat ggaatcttgg tgccctctgc cctcagctgc acagaagctc 360
 tgccgcctct tgggactggg ggtgacggat ttctcccgag ccttgctcac ccctcgcatc 420
 aaagttggcc gagactatgt gcagaaagcc cagactaagg aacaggtang cggngctggc 480
 ggngggcaan gcacanaaag agccg 505

1913

<210> 2551

<211> 119

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (47)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (96)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<400> 2551

ctngaagatt tgcattgactt gctagcttca ttgntgaata atgcatntga tgactatcta 60
aatgccatga tnagtggaggc tccaatgccc atcagntttg ccatgttcct naccatgtt 119

<210> 2552

<211> 411

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2552

1914

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gaaagtgctg atgaggaatc tggctctgcc tgaggacgtc cgaggggaagt gcacgagcct 60
gctgcagctc tatgatgcct ccaacagcga gtggcagctg gggaagacca aggtctttct 120
tcgagaatcc ttggaacaga aactggagaa gcggagggaa gaggaagtga gccacgcggc 180
catggtgatt cgggcccatt tcttgggctt cttagcacga aaacaatata gaaaggctct 240
ttattgtgtg gtgataatac agaagaatta cagagcattc cttctgagga ggagattttt 300
gcacctgaaa aaggcagcca tagttttcca gaagcaactc agaggtcaga ttgctcggag 360
agtttacaga caatttgctg gcagagaaaa gggagcaaga anaaaaaaaa a 411
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<210> 2553

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<400> 2553

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gaacagctta gcaaaggaaa ctttggagcc cctctctcag gcagcctggt tgcttcaggt 60
caagaagacc acagacagtg atgccaaggc gatctacgaa cgctgcacct cactgtctgc 120
tgtgcagatc ataaagntcc ttaattcata cacacctata gatgactttg agaagagagt 180
gactccatcc tttgttcgca aagtacagg 209
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<210> 2554

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (550)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1915

<222> (584)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (587)

<223> n equals a,t,g, or c

<400> 2554

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gctggagtc tgcagctta tgatctgaag aaaacccttg ctgtgttatt agataacatt 120
ttgcagcgca ttggcaagtt ggagtcgaag gtggacaatc ttgttgtaa tggcaccgga 180
acaaactcaa ccaactccac tacagctgtt ccagcttgg ttgcacttga gaaaattaat 240
gtggcagata tcattaacgg agctcaagaa aaatgtgtat tgcctcctat ggacggctac 300
cctcactgtg agggaaagat caagtggatg aaagacatgt ggcgttcaga tccctgctac 360
gcagactatg gagtggatgg atccacctgc tcttttttta ttacctcag tgagggtgaa 420
aattggtgtc ctcatctacc ttggagagca aaaaatccct acgaagaagc tgatcataat 480
tcattggcgg aaattctaca gatttttaat attctctaca gtatgatgaa aaaagcatga 540
aanaattccn ggtggatgag actacggatc cggcnaaatg gctnacncat ggatccaagc 600
aat 603
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<210> 2555

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (409)

<223> n equals a,t,g, or c

1916

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (439)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2555
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cctccgtccg ctaagtatgg cgggcggcac acggtgacca tgatcccagg ggatggcatc 120
gggccagagc tcatgctgca tgtcaagtcc gtcttcaggc acgcatgtgt taccagtgga 180
ctttgaagag gtgcacgtga gttccaatgg ctgatgaaga ggacattccg caatggccat 240
catgggccat ccgccgggaa ccgcgtgggc ccttgaaggg gcaacattcg aaaccaacca 300
ttaaccttgc caccgttcgc acaaattctt gaaacaacat nctttcggca ncagcttngg 360
acntctattg ccaacgttca ttccattggt aagagccttt ccaggcgtng gttgaaccgg 420
gcacaaggac ttngacatnc tcccattggt ccgggganaa caanaggggg a 471

<210> 2556
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>

1917

<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<400> 2556
gcaatactca tcattaataa tcataatggc tatagcaata aaactaggaa tagccccctt 60
tcacttctna gtcccagagg ttacccaagg caccctctn acatccggcc tgnttcttct 120
cacatgacaa aaactagccc ccattctcaat catataccaa atctctccct cactaaacgt 180
aagccttctc ctactctct caatcttct catcatagca ggcagttgaa gtggattaaa 240
ccatcccagc tacgcanaat ctnaacttac tcttcaatta cccacatang atgaataata 300
ncagtctcnc cgtacaacct ac 322

<210> 2557
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

1918

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (369)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (385)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 2557
gcaacaatat actctccgga caatgaacca taaccaatac taccaatcaa tactcatcat 60
taataatcat aatggctata gcaataaaac taggaatagc cccctttcac ttctgagtcc 120
cagagggttac ccaaggcacc cctctgacat ccggcctgct tcttctcaca tgacaaaaac 180
tagcccccat ctcaatcata taccaaactc ctccctcact aaacgtaagc cttctcctca 240
ctctctcaat cttntccatc atagcaggca gtttnangtg gattaaacca aaccagctt 300
cgctaaatct tagnatactc ctccaattan ccacatggga atgaaattat agcaggttct 360
tacgggttana accctaacat taacngtcct gaattttaac ttntttnttt tatccctga 419

<210> 2558
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (107)
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<220>

1919

<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (320)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
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<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<400> 2558
gggacaatga accataacca atactaccaa tcaatactca tcattaataa tcataatggc 60
tatagcaata aaactaggaa tagccccctt tcacttctga gtcccanaag ttacccaagg 120
caccctctctg acatccggcc tgcttcttct cacatgacaa aaactagccc ccatctcaat 180
catataccaa atctctccct cactaaacgt aagccttctc ctactctct caatcttattc 240
catcatanca ngcagttgan gtggattaaa ccaaaccag ctacgcaaaa tcttagcata 300
ctctctcaatt acccacatan gatgaataat aacagttcta ccgtacaacc ttacataacc 360

1920

attctttaatt taactatttta tattatccta actactancg cattcctact aatccactta 420
aaatccacan cacgaancta ctactatctc ncaccttaaa aaactttnat taaatacacc 480
cttattcctc c 491

<210> 2559

<211> 290

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (281)

<223> n equals a,t,g, or c

<400> 2559

gaatatactc tccggacaat gaaccataac caatactacc aatcaatact catcattaat 60
aatcataatg gctatagcaa taaaactagg aatagccccc tttcacttct gagtcccaga 120
ggttacccaa ggcacccctc tgacatccgg cctgcttctt ctcacatgaa caaaaactag 180
cccccatctc aatcatatac caaatctctc cctcactaaa agtaagcctt ctccctcactc 240
tgtcaatctt ttccatcttn ncaggctntt anggtggatt naaaccaacc 290

<210> 2560

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

1921

<220>
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<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (128)
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<220>
<221> misc feature
<222> (151)
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<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>

1922

<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (386)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (410)
<223> n equals a,t,g, or c

<220>
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<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (493)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (554)
<223> n equals a,t,g, or c

<400> 2560
gctcgtgccg aattcggcac gagcttctcc tcactctctc aatcttatch atcatagcag 60

1923

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gcatttgang tggattaaac caaanccagt tacgcaaaat cttancatac tcctcaatta 120
ccacatanga tgaataatag cagttctacc ntacaaccnt aacataacca ttcttnattt 180
aactatztat attatcctaa ctactaccgc attcctacta ctnaacttaa actccagcac 240
cacgacccta ctactatctc gcacctnaaa caagctaaca tgactaacac ccttaattcc 300
atccaccctc ntctccctag gangcctgcc cccgctaacc ggctttttgc ccaaattgggc 360
cattatcgaa gaattcacga cnaacnatag cctcatcatc cccaccatcn ttgmccacat 420
cacctcctta aactctaatt ctaactacgc ctaatctact ccacctcaat tacacttact 480
cccatntctt aanaacntna aaataaatgg acgttggaac attcaaaacc caccattctt 540
ccccacactc aanacttaa cacgtt 566

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<210> 2561

<211> 331

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<400> 2561

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gaatcaacac cctcctagcc ttactactaa taattattac attttgacta ccacaactca 60
acggctacat agaaaaatcc accccttacg agtgcggett cgacctata tccccgcgcc 120
gcgctccctt ctccataaaa ttcttcttag tagctattac cttcttatta ttgatctag 180
aaattgccct ccttttaccc ctaccatgag ccctacaaac aactaacctg ccactaatag 240
ttatgttcat cctcttatt aatcatcatc cttagcccta antctggcct atganttgac 300
taccaaaagg attagantgg aaccgaattn n 331

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<210> 2562

<211> 539

<212> DNA

1924

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (82)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (136)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (185)

<223> n equals a,t,g, or c

1925

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (319)
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<220>
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<222> (350)
<223> n equals a,t,g, or c

<220>
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<222> (351)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
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1926

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caatcagcca catagnccctc gtagtaacag ncattctcat ccaaaccctc tgaagctnca 180
ccgngncagt cattctcata atcgcccacg gacttacatc ctcattacta ttctgcctag 240
caaactcaaa ctacgaacgc actcacaggc gnntcataat cctctctcaa ggacttcaaa 300
ctctactccc actaatagnt ttttgatgac ttctagcaag cctcgctgan ntcgncttac 360
cccccantga ttaacctact gggagaactc tctgtgctag taaccacgtt ctctgatca 420
aatatnactc tcngntnac aggactcaac atactaatcg cagggcctgg tgctccctct 480
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<212> DNA
<213> Homo sapiens

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1927

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1928

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1929

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<400> 2563

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aaaactaagn cccccaatct caattcanta ttacccaaaat tcttcttccc ctccaactta 180
aaaacgntta angcccnttc cttccctcca acttccctct tcnaaattcc tttaattccc 240
attccaatta agccaagggg gcnnngntttg aaaaggggtg gggaatttna aaaaccccaa 300
aaanccccc aagcntttnc ccgccaaaaa aattcccttt aannccaatt aacctncccc 360
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<220>

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1931

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1932

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gtatgccacc atctatgagc tgaaagaaga caanagctac aatgtcacct ccgtcctgtt 180
tangaaaaag aagtgtgact actggatcan gacttttggt ccangttgcc ancccggcga 240
gttcacgctg ggcaacatta ananttacc tggattaacn anttacctg tccgagtngt 300
gancacaact acnaccagca tgctntgggt ttcttccaaa aaatttctcn aaacanggaa 360
ttcttccana tcacctctcn ggaaaaacca ngaacttgac ttccggaact taaaggaaaa 420
acttctctcc cctctctcca atttctctgg gcccccttaa aaaccactct ccttcccttt 480
tcccattcca acantttttt naaanggtga attttnangt ttcccc 527

<210> 2565
<211> 547
<212> DNA
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1933

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<222> (415)
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<222> (521)
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aggaggggaca gcctggtgtc agctcaggga gaaggcccag gcccatctcg gctgggtggg 180
gtaggggcccc tccaggtagt gggggatgag ctgtcacggg ttggggccgga ctgagagcaa 240
cagaacctg ctgctgccct ggccccacct tgtccagcac aggaggccca agcctgggtt 300
gtctccctc tcaccaccc atctctccct cccaaggaaa aagaagtgtg actactggat 360
caggactttt gttccangtt gccagcccg cgagttcacg ctgggcaaca ttaanagtta 420
ccctggatta acgagttacc tcgtccgaat ggtgagcacc aactacaacc agcatgctat 480
ggtgttcttn aanaaagttt ctnaaaacag ggaagtactt naagaacacc ttttacngga 540
gaaccaa 547

<210> 2566
<211> 593
<212> DNA
<213> Homo sapiens

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1934

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<222> (29)

<223> n equals a,t,g, or c

<400> 2566

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ggcggctgca gccgagttca aacctaagca gctggaaggc ccctgtggct aggtaccata 180
gagtctctac acaggagtaa atcagcctgg tgtgcagggg aggcagacac acaaacagaa 240
aattggacta cagtgctaag atgctgtaag aagagggtta ctaaaggaca ggaagatggg 300
gccaagagat ggtgctactg tctactttag ggatcgtctt tcaaggcgag gggcctccta 360
tctcaagctg tgatacagga accatggcca actgtgagcg taccttcatt gcgatcaaac 420
cagatggggg ccagcggggg cttgtgggag agattatcaa gcgttttgag cagaaagggt 480
ccgccttggt ggtctgaatt catgcaagct tccgaagatc ttctcaagga acactacgtt 540
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<210> 2567

<211> 416

<212> DNA

<213> Homo sapiens

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<220>

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<222> (370)

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<220>

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taaaggcttt gaaaatgtaa tccatgacaa attgcctctc caagaaagtg aagaagaaga 120
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1935

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gagggaggag aggtctggcc tccaactaag tcttgaacaa ggaactggtg aaaactcttt 180
tcgaagcctg acttgccac cttcgggttc cccatctcat gctggtacaa cccacactga 240
aaatggactc tcagagcacc cctgtgaaac agaacagata aatgcaaaga gaaaagatac 300
aaccagtgc aaagatgatt cgctaggaag ccaacaaaca aatgaacaat gtgctcaaaa 360
agctnagccn acagaagtct gcgaaccaat tgnttnncca agtgaaatat ggggat 416

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<210> 2568

<211> 441

<212> DNA

<213> Homo sapiens

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<220>

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<400> 2568

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gagcagcggt cttttatctc cgtccgnctt ctctcctacc taagtgcgtg ccgncacccg 180
atggaagatt cgatggacat ggacatgagc ccctgaggc ccagaacta tcttttcggt 240
tgtgaactaa aggccgacaa agattatcac tttaaggtgg ataatgatga aaatgagcac 300
cagttatctt taagaacggt cagtttaggg gctggtgcaa aggatgagtt gcacattggt 360
gaagcagagg caatgaatta cgnaggcagt ccattaaagt aacactggca actttgaaaa 420
tgtctgtaca gccaacggtt t 441

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<210> 2569

<211> 520

<212> DNA

<213> Homo sapiens

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1936

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<220>
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 <222> (451)
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<220>
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 <222> (489)
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<220>
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 <222> (494)
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<400> 2569
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 actctggttt taagcaacct ctctacagt gcaacagaag aaactcttca ggaagtattt 180
 gagaaagcaa cttttatcaa agtaccacag aaccaaagt gcaaatctaa agggtagtca 240
 tttatagagt ttgcttcatt cgaagacgct aaagaagctt taaattcctg taataaaagg 300
 gaaattgagg gcagagcaat caggctggag ttgcaaggac ccaggggatc acctaagcc 360
 agaagccagc catccaaaac tctgtttgtc aaaggcctgt ctgaggatac cactgaagag 420
 acattaaaang gagtcatttg acggnntccg nttcgggccca aggatagttt actggcccgg 480
 ggaaaactng ggtncctccc aaaggggttt tgggtttttg 520

<210> 2570
 <211> 416
 <212> DNA
 <213> Homo sapiens

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1937

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<222> (394)
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<220>

1938

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<400> 2570

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cctcgctgat ganctggtct gcgacccna atgggggcgg cgtgcccgcc ggggggctag 180
tggccacgct gcagagcctc ggggctggtg gcagcaaagt cntcatangt aatattggtg 240
ccctgatggg ctacgccacc cacaantatc tcgatagtga ggaggatgan gaganccag 300
cagctnccan aacctcttct tccttcttgg cctaactctt ccagntagga tctagaactt 360
tgcctttnat ttttttttta ttttttttgg aaananggtt ctcactatat tgnacag 416
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<210> 2571

<211> 432

<212> DNA

<213> Homo sapiens

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<222> (213)

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<222> (254)

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<220>

<221> misc feature

<222> (279)

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<220>

<221> misc feature

<222> (346)

1939

<223> n equals a,t,g, or c

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<221> misc feature

<222> (347)

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<221> misc feature

<222> (380)

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<221> misc feature

<222> (409)

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<400> 2571

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gcttttccct gagggcgggg gacagcctga tgaccgtggt acaatcaatg acatctctgt 180
gctgagagtg actctgtgct gagagtgact cgncgtgggg aacaggctga tcatttcacc 240
cagacacccc tggntccagg aagccagggt ctngtccgng tagattggga gcggagggtt 300
gaccacatgc agcagcattc agggcagcat ctcacacgg cagttntga ccatctattt 360
aagctgaaga caacatcatn ggagttaggg agatttcgga gtgcgattna gctggacacc 420
ccctctatga ct                                     432
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<211> 693

<212> DNA

<213> Homo sapiens

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<222> (114)

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<220>

<221> misc feature

<222> (510)

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<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (614)

<223> n equals a,t,g, or c

1940

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<222> (635)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (687)
<223> n equals a,t,g, or c

<220>
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<222> (688)
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aaatataaca ggaactgatg accaagtaca gcaagctatg aactctctca aggagattgg 180
atttattaac tactatggaa tgcaaagatt tggaaccaca gctgtcccta cgtatcaggt 240
tggaagagct atactacaaa attcctggac agaagtcacg gatttaatat tgaaaccccg 300
ctctggagct gaaaagggct acttggttaa atgcagagaa gaatggggcaa agaccaaaga 360
cccaactgct gctcagaaa actacctgtc aaaagatacc cagaaataat cgcttaatgt 420
atattcatag ctaccaaagc tatgtgtgga ataacatggt aagcaagagg atagaagact 480
atggactaaa cctgttccag gggacctcgn tctcaaagga cccagcccc tatattgagg 540
aagatgatgt aataattact ctatncatga tgtgggaatg ccttgccctgg ttccgatggt 600
atctacccca agcnttaaaa ttcaagaagc ctacngggaa atgctcccag ttgacaatct 660
ganatggcca cctgagaccc aaaatcnnaa ttt 693

<210> 2573
<211> 407
<212> DNA
<213> Homo sapiens

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<222> (276)
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<222> (296)
<223> n equals a,t,g, or c

<220>

1941

<221> misc feature
<222> (343)
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<220>
<221> misc feature
<222> (348)
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<220>
<221> misc feature
<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<400> 2573
tcgaggctga cggttgacggt gttgataatg agatcaaact gccccgccag tgcttttcagt 60
gcttgccgat cgcggctatt caccacttta tcggcaccca tcgccagcac ttctgtctct 120
ttcgccggat tagaactaaa ggctgtcacc tcgcatccca ttgcgtgcag aagttttata 180
gcgatatgcc ccagcccgcc aataccaatt accccaacgc ggctggtagc agtgcataatg 240
gtgcatcaac agtgggttaa agaccgtgga taccgncgca caacagcggc cccggnggac 300
tcgatatcca atatttttct gggcagtggg attcaccat tgnccatncc gnacggaant 360
tttnggcaag ccaccgggat ttcaaactcg ggggnaccga acttggt 407

<210> 2574
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)

1942

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<400> 2574

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ggcanagnaa acagaaaact gcaaaatatt gatgacaaaa attaaagaag acataaataa 60
atggagaaat ataccatgct catggattgg aagacttaca ttgctaaact gtcacttctc 120
cccagatgga tctacagagt ccacataatc tcaacttaaaa ctccagaaga aatttttatg 180
aaagttgaca gctgattcta aaattttaca tagaaatgca aaggtctccg aatagtcaaa 240
acaattagga aaaggaaaaa caagttggaa gacttacttt ccggctgggt taaaggtgga 300
ctacacagtt acagtaatca gataggttgg tattaggttg gacagttggt tcattggatt 360
ggntgcgggt tttggattng acncacacng aattgtncct tggtttttta atagt      415

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<210> 2575

<211> 193

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

1943

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (192)
<223> n equals a,t,g, or c

<400> 2575
ggcagcggcg gcggcgcgga gagacgcagc ggagggttttc ctgggtttcgg accccagcgg 60
ccggatggtg aaatcctccc tgcagcggat cctcaatagc cactgcttcg ccagagagaa 120
ggaaggggat aaaccacgcg ccaccatcca cgccagncgc accatgccgc tnctaagcct 180
gcacagnccg nng 193

<210> 2576
<211> 469
<212> DNA
<213> Homo sapiens

<400> 2576
gaaacagagt ccagagctgg tgaagaagca caagaaaaag aggggttgtcc ccaaaaagcc 60
tcccccatca ccccaaccta cagggaaaat tgagatcaaa attgtccgcc catgggctga 120
agggactgaa gaggggtgcac gttggctgac tgatgaggac acgagaaacc tcaaggagat 180
cttcttcaat atcttgggtgc cgggagctga agaggcccag aaggaacgcc agcggcagaa 240
agagctggag agcaattacc gccgggtgtg gggctctcca ggtggggagg gcacagggga 300
cctggacgaa tttgacttct gagaccaaac agcagagtgg agctgagctg tggacctctc 360
gggcaactct gtgggtgtgg gggccctggg tgaattctgc tgcccctgct ggcagccacc 420
ttgagacctc accgggcctg tgattttctc ctctgaact ctcaactcaa 469

<210> 2577
<211> 347
<212> DNA
<213> Homo sapiens

<400> 2577
ttgtaattta aggatcgggg accaaaaatg tttaaagact aaatgtgttc acattactat 60
agatatgtct ataagggtgaa gattcttttc ttaggtatac aaatgtgatg ttgtatataa 120
atgggcttcc caccacaaa tgcttattag cctaaaatgg cctgaaagct ctagtaatta 180
aattatttct ctgcgtccta attttttgtc tttgaaacag attattttaga aaatcatgta 240
cttcgcttaa gtttctaact tttacttget ttttcagag ttatttatac caaatcctac 300
aggggattgt gttttgtcac tctagaagag ttcttcacag agactta 347

<210> 2578
<211> 330

1944

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<400> 2578
gctcgtgccg aattcggcac gageggcacg agtaaggggt cctgctttca cagaattatt 60
ccagggttta tgtgtcaggg tgggtgacttc acacgccata atggcactgg tggcaagtcc 120
atctatgggg agaaatttga agatganaac ttcatacctaa agcatacggg tcctggcatc 180
ttgtccatgg caaatgctgg acccaacaca aatgggtccc agtttttcat ctgcactgcc 240
caagactgat tggttgggat ngccaacatt tgtntttttg ggcaaagtn aaaagaaagg 300
catgaatatt gttggaaagg ccatggaacn 330

<210> 2579
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

1945

<220>
<221> misc feature
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>

1946

<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<400> 2579
gatccaggcc gggcccgagc agtactcagc ctgagtaaac tcgttgcccg gaagccctga 60
cctggtggac tacaccctgt caancccgagc acgtgctgnt ganacancca gaacccgcgg 120
cgggacgcac tgangagggc cntnagtcag tacctgacgg acaggggttcn ctggagggac 180
tgaagacggc cnggccacc atggcggcac aacanccccc gatacccatg ccagtgtgtg 240
tgccaaggat cancggtcac cacccatgac tgctgccctc ggcacanggg cctngnccac 300
tggatgtgac cttcntccat cat 323

<210> 2580
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (346)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

1947

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (508)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (521)
<223> n equals a,t,g, or c

<400> 2580
gnttttgggggt catcccccttt ggccacaaaag tcaactggcca tgtgctgcac atcctcctca 60
agatgacatt catcgtccaa cgaccggtgg ctgctgctcc cttaggctct cccaaccaca 120
gtttctccca attgctccaa atattcctca gccagcagg tgggggaaat ggccaagggg 180
tctgtaactt cagaaatgaa tgattgggac cagtctgtct cattataatc ctgaattaca 240
tccacagcat ctccagctgc aagtcactct gggcccagtt ctcagacaag gccaagtcgg 300
ncacaccagg ggctctctgg ggagcctgga ggaagtttga ctcttnagtc tgctgcatct 360
cagccaggag ttcatccatc ttcaaggctc gaggggcacg ggatacaagg gtacactgtg 420
gtcctgcagg aattnacca ccaattcatc ttnagaagct actcccaaag gctttggaga 480
ctgcctcaga ggctggggct cggaggcngn gcanggggtca ngcgtcaggc cttagtgtct 540
ctgctg 546

<210> 2581
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)

1948

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (316)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

1949

<400> 2581

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ncctgtggcg ggtgtgggga gcggagccca gagtcctgt ggggccgctg ctttggcggt 60
gggcccagcc gggagcagcc tctttcgaag gccgccgtga cctcttcaag ggcgtggaga 120
cggaagga aaggccccgg ttggggttcc agggcgccgg taacgttaac cggcgccttg 180
cctgtcctct aaccgtcgct cctcctccc cttagaagat gttctcgacc gtggcgacc 240
tggcgcgggc gaaccccttc aacacgccac atctgcagct ggtgcacgat ggtctcgggg 300
acctccgag canctnccca gggcccacgg gccanccccg ncgcctcgca acctgcagcc 360
gncgncgtgg aagagtacag ttgtgaattt ggctncgcga agtattatgc actgtgtggc 420
ttttggtggg gtcttaantt gnggtctgac acanactgnt ggggttcccc tggattta 478
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<210> 2582

<211> 340

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

1950

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2582

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attcggcacn aggtgaaaag gggcttggtg ttaaggaatg aaaagtgcaa tgagaactat 60
accactgact tcattttcaa cctgtactct gaggagggga agggcatctt cgacagcagg 120
aanaatgtgc ttggtcacat gcagcagggt gggagcccaa ccccatTTga taggaatttt 180
gccactaaaa tgggcgccaa ggctatgaac tggatntctg ggaaaatcaa aaaaaattac 240
cgtaatgggc ggatctttgc cnatactcca natccggctt tgttcttggg atacttaaaa 300
ngcctggtct tccancagtg gctgactgaa agacaacnat 340
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<210> 2583

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (324)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (356)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

1951

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<400> 2583

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aaggtgaaag agctgaagag ggctaagacg gtgctcacgg tcattaaatg gaaaggggaa 60
aaatccaagt atccacagac ttcgccatgc agaatgttct gctgcagatg gggctgcacg 120
tgctggcggg gaacggcatg ctgattcgtg aggcccgag ctacatcttg cgctgccatg 180
gctgtttcaa gacaacgtct gacatgagcc gagtgttctg ctcacactgt gggaacaaga 240
ccctgaagaa atgtccgtga ccgtcagcga caacngcacc cttgcacatg cacttctccc 300
gcaaccccaa ggtgctgaac ccncggggt ccggtactcn cttcccactc ccaaangggg 360
gcaaataccc atcaaccca tctcnccaaa gatcacnct ccctccactt gcaatctcca 420
aaaggccagg cnnaaaacca ctnttcccc taatactccc cg 462
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<210> 2584

<211> 330

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<400> 2584

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cggtcgcccc caccggcccc atggcagccc ccggcgcccc agctgagtag ggctacatcc 60
ggaccgtcct gggccagcag atcctgggac aactggacag ctccagcctg gcgctgccct 120
ccgaggccaa gctgaagctg gcggggagca gcggccgagg cgccagaca gtcaagagcc 180
tgcggatcca ggagcagggt cagcagaccc tcgnccggaa ggccgcagct ccgtgggcaa 240
cggaaatctt caccgaacca gcagtgttct gagtatgtct acaacctaca cttgttgaaa 300
atgattttgt tggaggccgt tcccctgttc 330
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<210> 2585

<211> 273

<212> DNA

<213> Homo sapiens

<220>

1952

<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1953

<222> (162)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<400> 2585
gctcgtgncg attcggcacn agacgggggt cntcccatth atcccagtggt ctcaacaact 60
tnntttgccct cccctttctcc nccatggctt cccancttga catgtctncc gtgggtggggg 120
caggggnaaa gcatacncca gactcttgna acaagtgttc cncctgggga ctctgtcaca 180
agctccatag aagcctctca agtcnantg cctctggaaa gnctctccaa ttacattcnc 240
accaccctgt gccccaaaaa agggncceca tca 273

<210> 2586
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (431)
<223> n equals a,t,g, or c

<220>

1954

<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (464)
<223> n equals a,t,g, or c

<400> 2586
gctctgacag tgacaaagag tggattgctg ctctgcgtcg gaaatatcga agccgagagc 60
aaaccctgtc ctccagtggc gaaagctggg agactctgcc ggggaaagaa gagcggggaac 120
ctccacaggc taagggtgagt gccagcactg gcaccagccc tggccccggg gctagtgtcca 180
gtgccggggc tggcgccggg gccaatgctg gcagcaatgg cagcaattac cttgaagaag 240
ttcgagaacc atctcttcag gaagagcagg catccctgga agaaggagaa attccttggc 300
tccagtacca tgagaatgac agtagcagtg aggggggataa tgattctggt cacgagttga 360
tgcaacctgg ggtattcatg ctggatggaa acacaacctt gaagatgact tcagtgtgan 420
cgaagacctt naantggatt ggaaccttnt tgatggattt gcanatgggt taaggaatgg 480
ct 482

<210> 2587
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<220>

1955

<221> misc feature
<222> (460)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 2587
gtctttgnac aatttaatgg gaaaagatgc accgacgctg tgggagacag acgacagtgt 60
gtgcccacag agccctgtga ggatgctgag gatgactgcg gaaatgactt tcaatgcagt 120
acaggcagat gcataaagat gcgacttcgg tgtaatggtg acaatgactg cggagacttt 180
tcagatgagg atgattgtga aagtgagccc cgtccccctt gcagagacag agtggtagaa 240
gagtctgagc tggcactaac agcaggctat gggatcaaca ttttagggat ggatccccta 300
agcacacctt ttgacaatga gttctacaat ggactctgta accgggatcg ggatggaaac 360
actctgacat actaccgaag accttggaac gtggcttctt tgatctatga aaccaaaggc 420
gagaaaaatt tcanaaccga acattcnaa aacaaattgn ancatttaaa agtatcat 478

<210> 2588
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<400> 2588
ggaagaattc ctctgaaggg aacaagcatc acaagagtac acctctactc attcactgca 60

1956

```

gggatggatc tcagcaaacg ggaatatattt gtgctttgtt aaatctctta gaaagtgcgg 120
aaacagaaga ggtagtggat atttttcaag tggtaaaagc tctacgcaa gctaggccag 180
gcatggtttc cacattcgag caatatcaat tcctatatga ccgtcattgc cagcacctac 240
cctgctcaga atggacaagg taaagaaaaa caaccatcaa gaagataaaa ttgaatttga 300
taatgaagtg gacaaagtaa agcaggatgc taattgtgtt aatccacttg gtgccccaga 360
aaagcttctg aagcanagga acaggctgaa nntntgaacc cncgagtggc cttgatgggc 420
ca 422

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<210> 2589

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 2589

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gcagnngggac aacgccgctg tcgccctgct gcagcccttc ctgggtggta ccaaggaggc 60
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